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1965-66

BULLETIN

**ARMSTRONG
STATE
COLLEGE**



SAVANNAH, GEORGIA

1965-1966

Summer

Fall

Winter

Spring

Bulletin of
Armstrong State College
Savannah, Georgia

A Unit of the University System of Georgia



Membership in
Southern Association of Colleges and Schools
Association of Georgia Colleges

Volume XXX

Number 5

1965

CALENDAR

1965

APRIL

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1966

CALENDAR

1966

JANUARY

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AUGUST

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CALENDAR FOR 1965 - 1966

Summer Session, 1965

May 1:	Last day to file all papers of Application for Admission for preferred registration status
June 10:	Registration
June 11:	Classes begin
June 14:	Last day to register for credit
June 16:	Last day to change classes
July 5:	Mid-term reports due
July 26-30:	Pre-advisement for Fall Quarter
August 9-10:	Examinations

Fall Quarter, 1965

August 20:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
September 13, 14:	9:00 A.M. Jenkins Hall—Freshman Orientation (including transfer students)
September 15:	Group advisement for all new students
September 16:	8:30 - 11:00 A.M. Registration for pre-advised sophomore students 1:30 - 4:00 P.M. Registration for new students accepted by May 1 L - Z 1:30 - 2:30 A - K 2:30 - 4:00
September 17:	8:30 - 11:00 A.M. Registration for pre-advised new students accepted after May 1 L - Z 8:30 - 9:30 A.M. A - K 9:30 - 11:00 A.M. 1:30 - 4:00 P.M. and 6:00 - 8:00 P.M. Registration and advisement for all other students
September 20:	Classes begin
September 22:	Last day to register for credit
September 24:	Last day to change classes
October 25:	Mid-term reports due
November 3:	Convocation for installation of student officers 12:30 P.M., Jenkins Hall Auditorium)
November 15-19:	Pre-advisement for Winter Quarter
November 25-26:	Thanksgiving Holidays
November 29:	Ga. and U.S. history and government test
December 6-8:	Examinations

Winter Quarter, 1966

December 14:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
January 3:	Registration
January 4:	Classes begin
January 6:	Last day to register for credit
January 10:	Last day to change classes
February 7:	Mid-term reports due
February 21-25:	Pre-advisement for Spring Quarter
March 7:	Ga. and U.S. history and government test
March 15-17:	Examinations

Spring Quarter, 1966

March 1:	Last day to file all papers of Application for Admission (including CEEB SAT scores)
March 23:	Registration
March 24:	Classes begin
March 28:	Last day to register for credit
March 30:	Last day to change classes
April 8:	Holiday
April 25:	Mid-term reports due
May 9-13:	Pre-advisement for Summer and Fall Quarters
May 10:	Ga. and U.S. history and government test
May 18:	Honors Day Assembly
June 1, 2, 3:	Examinations

Beginning in 1966, Armstrong State College will offer a full Summer Quarter in which a student may take a maximum of 17 quarter hours.

Summer Quarter, 1966

May 1:	Last day to file all papers of Application for Admission for New or Transfer Students
May 31:	Last day to file all papers of Application for Admission for Transient (Summer only) Students
June 13:	Registration
June 14:	Classes begin
June 16:	Last day to register for credit
June 20:	Last day to change classes
July 4:	Holiday
July 18:	Mid-term reports due
August 1-5:	Pre-advisement for Fall Quarter
August 23-25:	Examinations

Regents, University System of Georgia

244 Washington Street, S.W. Fourth Floor
ATLANTA

State at Large—James A. Dunlap (February 19, 1960 - January 1, 1967)	Gainesville
State at Large—Jack Adair (January 13, 1965 - January 1, 1971)	Atlanta
State at Large—Roy V. Harris (February 19, 1960 - January 1, 1967)	Augusta
State at Large—Dr. John A. Bell, Jr. (January 1, 1963 - January 1, 1970)	Dublin
State at Large—Carey Williams (January 1, 1962 - January 1, 1969)	Greensboro
First—Anton F. Solms, Jr. (January 1, 1962 - January 1, 1969)	Savannah
Second—John I. Spooner (January 1, 1961 - January 1, 1968)	Donalsonville
Third—T. Hiram Stanley (January 13, 1965 - January 1, 1971)	Columbus
Fourth—H. G. Pattillo (February 5, 1965 - January 1, 1970)	Decatur
Fifth—Jesse Draper (January 1, 1961 - January 1, 1968)	Atlanta
Sixth—James C. Owen, Jr. (February 5, 1965 - January 1, 1971)	Griffin
Seventh—Ernest L. Wright (February 6, 1959 - January 1, 1966)	Rome
Eighth—John W. Langdale (January 13, 1964 - January 1, 1971)	Valdosta
Ninth—Morris M. Bryan, Jr. (February 3, 1959 - January 1, 1966)	Jefferson
Tenth—G. L. Dickens, Jr. (February 5, 1965 - January 1, 1972)	Milledgeville

Officers and Staff of the Board of Regents

<i>Chairman</i>	James A. Dunlap
<i>Vice-Chairman</i>	Morris Bryan, Jr.
<i>Acting Chancellor</i>	S. Walter Martin
<i>*Assistant to Chancellor</i>	John E. Sims
<i>Director of Plant and Business Operations</i>	J. H. Dewberry
<i>Executive Secretary</i>	L. R. Siebert
<i>Treasurer</i>	James A. Blissit
<i>Director Testing & Guidance</i>	John R. Hills
<i>Coordinator of Junior Colleges</i>	Harry S. Downs

*On leave.

The Armstrong State College Commission

The Commission controls certain endowment funds and scholarship funds which have been contributed by local citizens over a period of years. It serves also in an advisory capacity to the college.

DR. IRVING VICTOR.....	<i>Chairman</i>
FRANK BARRAGAN, JR.....	<i>Vice-Chairman</i>
JULE C. ROSSITER.....	<i>Secretary & Treasurer</i>

APPOINTIVE

DR. IRVING VICTOR, <i>Chairman</i>
MR. FRANK BARROGAN, JR., <i>Vice-Chairman</i>
MR. EDWARD J. BARTLETT
MR. JOHN PETERS, JR.
MR. FRANK HILL
MR. JOHN F. M. RANITZ, JR.

EX-OFFICIO

MAYOR MALCOLM MACLEAN
JUDGE ROBERT F. LOVETT
DR. THORD MARSHALL, <i>Superintendent of the Board of Education, Chatham County</i>
DR. DARNELL BRAWNER, <i>President of the Board of Education</i>
MR. JACK ALTMAN, <i>President of the Chamber of Commerce</i>

Officers of Administration

HENRY L. ASHMORE.....	<i>President</i>
JOSEPH I. KILLORIN.....	<i>Dean of the College</i>
JAMES T. ROGERS.....	<i>Dean of Student Affairs</i>
JACK H. PADGETT.....	<i>Registrar</i>
MARY H. STRONG.....	<i>Director, Community Services</i>
JULE C. ROSSITER.....	<i>Comptroller</i>
DALE PRICE.....	<i>Admissions Officer</i>

Heads of Departments

LESLIE B. DAVENPORT, JR.	<i>Biology</i>
ORANGE W. HALL	<i>Business Administration</i>
FRETWELL G. CRIDER	<i>Chemistry & Physics</i>
JAMES HARRY PERSSE	<i>Fine Arts</i>
ROY CARROLL	<i>History & Political Science</i>
HUGH PENDEXTER, III	<i>Humanities</i>
F. LANE HARDY	<i>Mathematics</i>
ROY JESSE SIMS	<i>Physical Education</i>
DOROTHY M. THOMPSON	<i>Psychology & Sociology</i>
REGINA YOAST	<i>Library</i>

Secretarial and Administrative Staff

MARJORIE A. MOSLEY	<i>Secretary to the President</i>
ELIZABETH HOWARD	<i>Secretary to the Dean of the College</i>
VIRGINIA M. AREY	<i>Assistant to the Registrar</i>
MINNIE MCG. CAMPBELL	<i>Secretary to the Registrar</i>
BERTIS JONES	<i>IBM Operator</i>
SARAH FLOYD TUTEN	<i>Secretary to the Faculty</i>
HELEN MEIGHEN	<i>Secretary to Director, Community Services</i>
CORINNE H. MCGEE	<i>Assistant to Comptroller</i>
NORMA JEAN CALLOWAY	<i>Secretary to Comptroller</i>
MARY ELIZABETH POUND	<i>Manager, Student Center & Book Store</i>
IRA J. RYAN	<i>Superintendent of Buildings & Grounds</i>
ELEANOR SALTER	<i>Secretary to Librarian</i>
ELIZABETH B. LEGETTE	<i>Assistant to Catalog Librarian</i>
MIRIAM SHUMAN	<i>Secretary to Dean of Student Affairs</i>

THE FACULTY

*JOSEPHINE AMARI, A.B., G.S.W.C.; M.A., Columbia University; Diploma, Sorbonne, Paris, France

Instructor in French

M. LORRAINE ANCHORS, A.B., M.A., Baylor University

Professor of English

RUTH ARGER, B.A., Oglethorpe University; M.A., University of Tennessee

Assistant Professor of Psychology

HENRY L. ASHMORE, B.A.E., M.A.E., D.Ed., University of Florida

President

W. ORSON BEECHER, A.B., M.A., Emory University; M.A., University of Georgia

Professor of History

*J. FRED BEVERLY, A.B., M.A., Mercer University

Instructor in Business Administration

FRANK A. BRIMELOW, A.R.T.C.S., Royal College of Advanced Technology, Salford, England; M. S., Vanderbilt University

Assistant Professor of Chemistry

VIRGINIA CARR, B.A., Florida State University; M.A., University of North Carolina

Instructor in English

ROY CARROLL, B.A., Ouachita Baptist College; M.A., Ph.D., Vanderbilt University

Head, Department of History and Political Science

Professor of History

**WILLIAM E. COYLE, A.B., Emory University; M.A., Georgetown University

Associate Professor of History & Political Science

FRETWELL CRIDER, B.S., Ph.D., University of North Carolina

Head, Department of Chemistry and Physics

Professor of Chemistry

LESLIE B. DAVENPORT, JR., B.S., College of Charleston; M.S., Virginia Polytechnic Institute; Ph.D., University of Georgia

Head, Department of Biology

Professor of Biology

*Part-time Instructor.

**Leave of Absence during academic year 1965-66.

JOHN KENNETH DAVIDSON, B.S., M.A., University of Georgia
Assistant Professor of Sociology

JOSEPHINE F. DAVIDSON, B.S., University of Southern Mississippi;
M.A., Florida State University
Catalogue Librarian

LAMAR W. DAVIS, B.S., M.S., University of South Carolina; Certified
Public Accountant
Professor of Business Administration

JOHN L. M. DESISLETS, COL. (Ret.), B.S., United States Military
Academy
Professor of Physics

JOHN DONALD DUNCAN, B.S., College of Charleston; M.A., University
of South Carolina
Assistant Professor of History

ORANGE W. HALL, B.S., Air Force Institute of Technology; M.B.A.,
Hofstra College; Ph.D., University of Florida
Head, Department of Business Administration
Professor of Business Administration

RAYMOND RALPH HALL, B.A., Mississippi State College; M.S., Auburn
University
Assistant Professor of Mathematics

F. LANE HARDY, A.B., Oglethorpe University; M.A., Emory University;
Ph.D., Ohio State University
Head, Department of Mathematics
Professor of Mathematics

*REGINALD C. HAUPT, JR., L.L.B., University of Georgia
Instructor in Business Administration

*PHILIP HOFFMAN, B.B.A., M.B.A., University of Georgia
Instructor in Business Administration

JOHN J. HUTTON, B.A., M.A., University of Notre Dame
Assistant Professor of English

*STANLEY KARSMAN, L.L.B., University of Georgia
Instructor in Business Administration

*Part-time Instructor.

*CHAUNCEY KELLEY, B.A., Carnegie Institute of Technology; Musical Director and Conductor, Savannah Symphony Orchestra
Instructor in Music

JOSEPH I. KILLORIN, A.B., St. John's College; M.A., Columbia University
Dean of the College

WALTER B. LAFFER, B.S., Case Institute of Technology; Ph.D. Ohio State University
Associate Professor of Mathematics

OSMOS LANIER, JR., B.A., LaGrange College; M.A., Auburn University; Ph.D., University of Georgia
Associate Professor of History

*JAMES HARRIS LEWIS, B.S., University of Georgia; L.L.B., University of Virginia
Instructor in History and Political Science

MARGARET SPENCER LUBS, B.Mus., Converse College; B.A., University of Georgia; M.A., Columbia University
Professor of English and French

JOHN C. MCCARTHY, JR., B.B.A., University of Miami; M.B.A., University of Georgia
Assistant Professor of Business Administration

*FRANCIS L. MANNION, JR., B.I.E., University of Florida
Instructor in Mathematics

*HINCKLEY A. MURPHY, A.B., Vanderbilt University; M.A., Columbia University
Instructor in Psychology and Sociology

ALVIN W. NEELY, JR., B.A., University of North Carolina
Instructor in English

JOHN F. NEWMAN, B.A., University of Maryland; M.A., Georgetown University; Ph.D., University of Florida
Associate Professor of Political Science and History

*JOHN M. PARR, B.S., Georgia Institute of Technology
Instructor in Engineering

JACK H. PADGETT, A.B., Wofford College; M.A., University of North Carolina
Registrar

*Part-time Instructor.

HUGH PENDENTER, III, A.B., Bowdoin College; M.A., Northwestern University; Ph.D., University of Pennsylvania

*Head, Department of Humanities
Professor of English*

JAMES HARRY PERSSE, B.F.A., University of Georgia; M.M., Ph.D., Florida State University

*Head, Department of Fine Arts
Professor of Music*

HARRY L. POWE, JR., B.S., Davidson College; B.S., Ph.D., North Carolina State

Admissions Officer

DALE PRICE, B.A., Florida State University; M.A., Florida State University

Associate Professor of Biology

*ROBERT B. H. ROCKWELL, COL. (Ret.), B.S. in E.E., Georgia Institute of Technology

Instructor in Physical Science

JAMES T. ROGERS, B.S., Delta State College; M.R.E., N.O.B.T.S.; Ed.D., Florida State University

Dean of Student Affairs

JULE C. ROSSITER, A.A., Armstrong State College

Comptroller

LEA LESLIE SEALE, B.A., University of Southwestern Louisiana; M.A.; Ph.D., Louisiana State University

Professor of English and German

JAMES L. SEMMES, B.S., United States Naval Academy; M.S., Florida State University

Assistant Professor of Mathematics

ROY JESSE SIMS, B.S., David Lipscomb College; M.S., University of Tennessee

*Head, Physical Education Department
Professor of Physical Education
Baseball Coach*

MARCIA SMITH, B.S., University of Tennessee

Instructor in Physical Education

*Part-time Instructor.

- WILLIAM M. STARRS, B.A., M.F.A., Catholic University of America
Assistant Professor of English
Director, "Masquers"
- CEDRIC STRATTON, B.Sc., Nottingham University, England; Ph.D.,
Birkbeck College, London, England
Associate Professor of Chemistry
- MARY H. STRONG, A.B., University of West Virginia
Director, Community Services
- ROBERT I. STROZIER, A.B., University of Georgia; M.A., Ph.D., Florida
State University
Associate Professor of English
- ROBERT T. STUBBS, B.S., M.S., Georgia Institute of Technology
Professor of Mathematics
- LAWRENCE M. TAPP, B.S., M.S., University of Tennessee
Assistant Professor of Physical Education
Basketball Coach
- DOROTHY M. THOMPSON, A.B., Monmouth College; M.A., Northwest-
ern University; Certificate in Psychiatric Social Work, Western
Reserve University
Head, Department of Psychology and Sociology
Professor of Psychology and Sociology
- FRANCIS M. THORNE, III, B.S., Stetson University; Ph.D., University
of Georgia
Associate Professor of Biology
- JEAN WINGATE VINING, B.S., University of Georgia
Instructor in Shorthand, Comptometer and Typing
- WILLIAM SWOLL WINN, B.D., A.B., Emory University; M.A., Uni-
versity of North Carolina
Professor of Mathematics
- K. C. WU, B.A., Grinnell College; M.A., Ph.D., Princeton University
Professor of History and Political Science
- REGINA YOAST, B.A., Texas Christian University; B.S. in Library
Science, Columbia University
Librarian

General Information

Armstrong State College:

Purpose and Programs

A college is a community of teachers and students who organize their energies for the work of the mind. Success in college means that a student has acquired those liberating skills of the mind that enable a man or woman to live the most fruitful life possible for him or her; that he has discovered the *usefulness* of those skills for understanding the world and for living in it competently and conscientiously.

Armstrong State College attempts to provide a climate where the student is induced to make connections between what he thinks and does and the best that has been thought and done. It is a climate intending to nourish the judging, critical and free man, responsible to himself and to his fellow man because he is developing and testing his own ideas and values.

Here the student works under able teachers to acquire those liberal arts, and with their aid to explore man and his world through the insights of the humanities, the natural sciences and the social sciences. For these studies are the core of every degree program.

A student chooses a program of study leading to the degree best suited to his interest and vocational goal.

Programs leading to the following degrees are offered.

FOUR YEAR DEGREES

1. *Bachelor of Arts* in the fields of history and English.
2. *Bachelor of Science* in the fields of biology and chemistry.
3. *Bachelor of Business Administration* in the general field of business administration.

For these degrees the full third year will be offered in 1966-67; the full fourth year in 1967-68. The third and fourth year courses of other major fields (such as political science, mathematics, medical technology and music) will probably be offered in the near future.

TWO YEAR DEGREES

4. *Associate in Arts* as preparation for higher degrees in the liberal arts and the professions. This degree is awarded to pre-professional programs leading to degrees in engineering; industrial management; medicine, medical technology, dentistry, optometry, and pharmacy; education, law, theology, journalism, and social work.

One year preparatory programs in forestry, nursing and pre-veterinary medicine are also offered.

5. *Associate in Arts: Terminal*, designed to meet the needs of those students who wish to qualify for positions in business (e.g. as secretaries or accountants) after two years of college.

One year programs in stenography and business are also offered.

History of the College

Armstrong State College was founded on May 27, 1935, as Armstrong Junior College, by the Mayor and Aldermen of the City of Savannah to meet a long felt need for a college in the community. The College was housed in the Armstrong Building, a gift to the city from the family of George F. Armstrong, and over the years built or acquired five more buildings in the neighborhood of Forsyth Park and Monterey Square.

The College, as Armstrong College of Savannah, became a two-year unit of the University System of Georgia on January 1, 1959, under the control of the Regents of the University System.

In 1962, the Mills Bee Lane Foundation purchased a new campus site of over 200 acres, selected by the Regents. The new campus, with seven new buildings, will be occupied during the academic year 1965-66.

In 1964, the Regents conferred upon Armstrong the status of a four-year college, with the right to offer the degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration. The first degrees will be conferred in June, 1968.

The College community now includes about 1200 students and 45 faculty members (about 38% of whom possess the Ph. D. degree).

Armstrong Evening Classes

In addition to the full daytime schedule, Armstrong offers a schedule of classes in the evening, including most of the required courses for many programs leading towards a degree.

Students employed during the day must limit their enrollment to one or two courses each quarter.

Library

The Library's collection numbers more than 17,000 volumes, with additional unbound pamphlets and government documents. The library receives 203 periodicals, 11 periodical and bibliographic indexes and 8 newspapers. The library collection also includes approximately 500 phonograph records and 75 tapes which are available for circulation. There are three professionally trained librarians on the staff to assist faculty and students, and, with additional qualified personnel, to process the rapidly growing collection. The College expects to increase its collection to about 45,000 carefully selected volumes by 1969-70.

The library building on the new campus has many advantages over the present library quarters in Hodgson Hall. There is a seating

capacity for 580 and shelving space for 74,000 volumes. A seminar room, listening stations, individual study carrels, faculty study rooms, typing room, air conditioning and carpeted floors are some of the features that make the new library functional and attractive.

An Orientation course in the use of the library is given to all freshmen. More detailed information of present library services may be obtained in the "Armstrong College Library Handbook", available on request to the Librarian of the college.

Office of Community Services

1. *Short Courses, Workshops and Institutes.* These are planned, organized and administered by the Office in response to group interest, or to meet a community need brought to the attention of the Director. All are offered on a non-credit basis and, except in a very few cases, there are no special requirements or prerequisites for admission. A bulletin of such courses and special events, under the heading of "The Seven-Thirty Series" is mailed out before the beginning of every quarter; anyone wishing to do so may have his name placed on this mailing list. Subjects covered vary widely; the series is designed to offer something to appeal to almost any adult taste, from Computer Programming to a survey of the leading religions of the United States. The Director is always glad to arrange courses for candidates preparing to take professional examinations in engineering, insurance, real estate and many other fields; the college has been approved as an Examination Center for a number of these examinations. One-day workshops, such as the annual Writers' Workshop, are also planned and managed by this office.
2. *University of Georgia Extension Courses.* These courses offer the opportunity to earn upper division credit from the University of Georgia. Instructors for these classes are approved by department heads and deans of the various colleges at the University, and grades are recorded in the Registrar's Office at Athens. Fee for a five quarter hour course is \$39. Applications and registrations for Extension Courses are handled by the Office of Community Services, entirely separate from Armstrong courses. The Director is also the University of Georgia representative for administering final examinations for correspondence courses taken from the University.

Student Affairs

The Division of Student Affairs, administered by the Dean of Student Affairs, is responsible for the non-academic student services and activities. The College recognizes the importance of promoting the growth and development of the intellectual, social, spiritual, emotional, and physical aspects of the students. The Division of Student Affairs discharges these obligations through the following individuals: Admissions Officer, Registrar, Testing and Guidance Counselor, Coordinators of Student Activities, and Alumni Director.

Admissions

The Admissions Office of Armstrong State College has as its purpose the assistance in the transition of students from high school to college. This office, administered by the Admissions Officer, provides information, evaluates records submitted, and notifies students of acceptance.

Requirements for Admission

Applications forms for admission to Armstrong State College are provided by the Director of Admissions upon request.

An application cannot be considered until all required forms are properly executed and returned to the Admissions Office. Application forms for entrance in 1965-66 must be submitted on or before dates set forth below.

Summer Session, 1965—May 1

Fall Quarter, 1965—August 20

Winter Quarter, 1966—December 14

Spring Quarter, 1966—March 1

Summer Session, 1966—May 1 (New or Transfer)

—May 31 (Transient—Summer Only)

For preferred registration status in Fall, 1966, applications must be submitted by May 1, 1966.

With the application form must be submitted the following: application form fee, transcript, and College Entrance Examination Board scores.

The College reserves the right to terminate acceptance of applications when enrollment capacity is reached. The College further reserves the right to reject an applicant who is not a resident of the State of Georgia.

An applicant will be declared eligible for admission only upon his compliance with the following requirements and conditions:

1. The applicant must be at least sixteen years old on or before registration date and must be of good moral character. Armstrong State College reserves the right to examine and appraise the character, personality, and physical fitness of the applicant.

2. The applicant must meet one of the following conditions:

(a) Graduation from an accredited high school.

(b) Successful completion of the General Education Development Test with no score less than 45.

3. A transcript of the applicant's high school records must be submitted by the high school directly to the college.

4. The applicant must have a minimum of sixteen units as follows:

English—4

Mathematics (one must be algebra)—2

(Two years of algebra and one of geometry are needed for those entering the engineering or scientific fields.)

Science—2

Social Studies—2

Other units sufficient to graduate.

5. The Scholastic Aptitude Test of the College Entrance Examination Board is required of all applicants. Official results of this test must be filed with the Admissions Office by the final date of submitting application for the quarter for which the student wishes to enroll.

6. The Achievement Tests of the College Board also are required for those who have not completed a college course in English and/or mathematics. The tests required are English and Mathematics Level I.

7. Application Form Fee—A validating fee of \$10 must accompany each complete application form before it can be given official consideration. This fee does not bind Armstrong State College to admit the applicant nor does it indicate acceptance of the applicant's qualifications. The fee will not be credited toward the matriculation fee in the event that the applicant is accepted as a student and it will not be refunded in the event that the applicant does not enroll as a student. An applicant who fails to enroll for the quarter for which he is accepted must reapply for admission if he wishes to enter the institution at a later time by re-submission of fee by the date specified.

Further Policies

1. When the application forms, College Entrance Examination Board scores, and other required records of the applicant are found to be complete and in order, the applicant will be evaluated on the

basis of his grades, scholastic test scores, and potential ability. His predicted grade average based on these factors must indicate that the applicant has the potential to pursue effectively the educational program of the College.

2. The College reserves the right to examine further any applicant by the use of psychological, achievement, and aptitude tests. Each applicant must give evidence of good moral character, promise of growth and development, seriousness of purpose, and a sense of social responsibility.

3. The College further reserves the right to require additional biographical data and/or an interview before the applicant is accepted or rejected. If an interview is required, the applicant will be notified.

4. The Director of Admissions may refer any applicant to the Admissions Committee of the College for study and advice. The ultimate decision as to whether an applicant shall be accepted or rejected shall be made by the Director of Admissions subject to the applicant's right of appeal as provided in the policies of the board of Regents of the University System.

5. The Director of Admissions shall, as promptly as practicable, inform the applicant of the action taken upon his application.

Transfer Students

1. All regulations applicable to students entering college for the first time shall be applicable to students transferring from other colleges. These regulations are described in the foregoing section on Admissions.

2. A student who applies to transfer to Armstrong State College from another college shall submit the following:

- (a) Application
- (b) Fee
- (c) Transcripts of all other colleges attended.
- (d) Scholastic Aptitude Test Scores

(Beginning with the Summer Quarter of 1965, CEEB Achievement Test scores in English and mathematics will also be required for those who have not successfully completed a college course in these subjects.)

An application will not be considered for admission unless the transcript shows honorable discharge from the college last attended or unless the officials of the institution last attended recommend the applicant's admission.

3. Regulations in regard to transfer of credit:

- (a) The amount of academic credit that the College will allow for work done in another institution within a given

period of time may not exceed the normal amount of credit that could have been earned at the College during that time. A maximum of sixty (60) academic quarter hours from an accredited college may be applied in the applicant's program at Armstrong.

- (b) Courses transferred for credit from either colleges or universities must have an over-all grade of "C". Only grades of "C" or better are acceptable in Freshman English. No credit is allowed for remedial English and mathematics.
- (c) A student on probation or academic suspension at another college will not be considered by Armstrong until two (2) quarters have elapsed since date of probation or suspension.
- (d) The total number of hours that may be earned toward an associate degree by extension courses shall not exceed twenty-two and one half (22½) quarter hours.
- (e) A transient student is one who attends for the summer session only with permission from his previous college or university. A special application form is used by transient students.

Readmission of Former Students

1. Former students who have attended other colleges.
 - (a) If a former *Transient* student, the applicant must present a new Transient Application or all grades from other schools attended since he last attended Armstrong.
 - (b) A former regular student at Armstrong who has transferred to another college must present a Transient Application or transcript of all colleges attended since leaving Armstrong.
2. Former students who have not attended another college.
 - (a) A former regular Armstrong student who has not been elsewhere may be readmitted by the Registrar's Office if
 - (1) he is in good academic standing.
 - (2) two quarters have elapsed since his first or second academic dismissal from Armstrong.
 - (3) the student bears a letter approving readmission by Committee on Academic Standing.
 - (b) No readmission is possible after a third academic dismissal.

Admission of Veterans

After having been accepted at Armstrong State College and upon receipt of Certification of Eligibility and Entitlement from the Veterans Administration, veterans may attend under Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 361 (children of permanently disabled veterans). Students under Public Law 361 or 634 should be prepared to pay tuition and fees at time of registration.

Applicants Sponsored by Vocational Rehabilitation

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six (6) weeks before the beginning of any quarter to insure proper processing of application.

Foreign Students

A student from a country other than the United States who is interested in Armstrong must meet the following requirements before application is made:

- (a) He must have met the requirements of paragraph 4, under Admission Requirements, in regard to units in the subjects required at Armstrong.
- (b) His transcript should be sent to the Admissions Office at Armstrong with an official translation.
- (c) He should take the SAT of the College Entrance Examination Board in the testing center nearest his home and ask that the result be sent to Armstrong.

If all the above requirements have been passed on favorably by Armstrong, the applicant will be sent a set of application papers. When these are received, the applicant will receive an I-20 Form (I-20A and I-10B), which he can then take to the American Consul to ask for a student visa.

Armstrong is a community college and has no dormitory or boarding facilities, so these must be arranged by any student who does not live in Savannah.

No scholarships are available for students who are not residents of Georgia. All foreign students pay non-resident fees.

Summer Probationary Quarter

Armstrong State College is initiating a "Summer on Trial" program, beginning in the summer of 1965 for those who do not auto-

matically meet regular admissions standards. The student attending this program must take two subjects. If he achieves a "C" average at the conclusion of the Summer Session, he continues on in the fall as a regular student.

All application documents and the application fee must be submitted by May 1st for entrance into this program. The documents necessary are the application, transcript of grades, SAT and ACH scores.

Residency Requirements of the Board of Regents

1. A student who is under 21 years of age at the time he seeks to register or re-register at the beginning of any quarter will be accepted as a resident student only upon a showing by him that his supporting parent or guardian has been legally domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration or re-registration.

2. In the event that a legal resident of Georgia is appointed as the guardian of a non-resident minor, such minor will not be permitted to register as a resident until the expiration of one year from the date of the appointment, and then only upon proper showing that such appointment was not made to avoid the non-resident fee.

3. If a student is over 21 years of age, he must show that residence in Georgia was established at least one year prior to the registration date. Any period of time during which a person is enrolled as a student in an educational institution in Georgia may not be counted as a part of the year's residence herein required when it appears that the student came into the State and remained in the state for the primary purpose of attending a school or college.

Any inquiries about residency should be directed to the Admissions Office.

Counseling & Guidance

A qualified Testing and Guidance Counselor is located in the Office of Student Personnel. Over the years the College has developed a comprehensive program of testing and counseling to meet the varying needs of students. This counseling program is designed to give assistance to students experiencing difficulties relating to personal problems, vocational goals, or transition to college. Nationally standardized tests of many types are made available to all students and are often used to supplement the counseling process. Although many types of guidance are available to students, the most often

requested service of this office relates to decisions affecting a student's choice of educational programs and vocations.

Academic advisers from the faculty are also assigned to new and returning students to assist them in planning their academic course of study.

The Student Personnel Office also provides information on available part-time job openings, scholarships, loans, assistantships, and financial aid of various kinds which is available to students. A student's use of any of these services is voluntary and confidential.

Financial Aid

Through an expanding program of financial aid, Armstrong State College is able to assist well-qualified students in attaining their goal of a higher education. The Student Personnel Office, through a combination of scholarships, short-term loans, and student employment, tries to make it possible for all students with limited resources to attend college.

Financial aid is awarded on the basis of financial need, scholastic achievement, and character. Scholarships are awarded primarily to students of high ability who are in need. Students with satisfactorily academic records are eligible to be considered for available, part-time work on campus. Short-term loan funds to defray registration expenses are also available to students.

Armstrong State College uses the College Scholarship Service which evaluates the Parents' Confidential Statement. Freshmen may secure this form from the local high school counselor or from the College Scholarship Service, P. O. Box 176, Princeton, New Jersey. Applications which do not include this financial data are incomplete and cannot be considered. Applications for scholarships must be filed before May 14 (except April 30 for Regents Scholarships). Final action cannot be taken until the applicants have been accepted for admission to the college; thus, early application is urged.

Scholarships

A number of scholarships are made available each year through the generosity of Savannah civic and business groups. These scholarships range in amount from \$100 to \$338 per year. Available scholarships for the 1965-66 school year are as follows:

Alpha Tau Beta

Armstrong State College Alumni Association

Chatham County Teachers' Association

Chatham Education Association Scholarship

Edward McGuire Gordon Memorial Scholarship

Junior Chamber of Commerce
Arthur Lucas Memorial Scholarships
Pilot Club of Savannah
Rebel Chapter, American Businesswomen's Club.
Savannah Gas Company
Harry G. Strachan, III, Memorial Scholarship

Regents' Scholarships

Another source of scholarship aid for students who are residents of the State of Georgia is the Regents' Scholarship. These scholarships are awarded to superior students who are in need of financial assistance to attend college. To be eligible for a Regents' Scholarship a student must have grades or predicted grades that place him in the upper 25% of his class. Recipients of Regents' Scholarships are expected, upon completion of their program of study, to reside in the State of Georgia for a period of one year for each \$1,000 of scholarship aid received.

Further information on these scholarships and application forms may be obtained from the Student Personnel Office at the College.

The deadline for applying for the Regents' Scholarships is April 30.

Other Sources of Financial Aid to Armstrong State College

Solomon's Lodge No. 1, F. & A.M. Scholarships—Two scholarships for \$240 each to be awarded to a graduate of a tax-supported high school. Apply to: Committee on Scholarship Awards, Solomon's Lodge No. 1, F. & A.M., P. O. Box 1711, Savannah, Georgia.

Savannah Chapter, National Secretaries Association—One scholarship covering tuition, fees and expenses, for a female student majoring in secretarial science. Apply to: High School Counselor or typing teacher.

William F. Cooper Education Fund—Provides scholarships to female students in all fields except law, theology, and medicine (nursing and medical technology are acceptable). Apply to: Trust Department, Savannah Bank & Trust Company, between April 1 and May 31.

State Teachers' Scholarships—Provide scholarship funds for students who will enter the field of teaching in the State of Georgia. Apply to: Georgia State Teachers' Scholarship Program, State Department of Education, Room 247, State Office Building, Atlanta 3, Georgia.

Ty Cobb Education Foundation Scholarship—Provides scholarship aid for residents of the State of Georgia who have completed their freshman year in college. Apply to: Ty Cobb Educational Foundation Scholarships, Room 454, 244 Washington Street, S. W., Atlanta 3, Georgia.

Pickett & Hatcher Educational Fund — Provides *loans* at reasonable interest rates to students in need of such aid to attend college. Apply to: Pickett & Hatcher Educational Fund, P.O. Box 1238, Columbus, Ga.

Savannah Pharmaceutical Association Scholarship — One scholarship for \$200.00 for a freshman student majoring in pre-pharmacy to attend Armstrong College (or the University of Georgia). Apply to: Mr. Thomas C. Crumbley, Chairman, Scholarship Committee, Savannah Pharmaceutical Association, c/o Crumbley's Pharmacy, 1502 Waters Avenue, Savannah, Georgia.

Chatham Artillery Scholarships — A number of scholarships for \$250.00 each to members of the Chatham Artillery attending college full-time. Apply to the Chatham Artillery.

State Department of Vocational Rehabilitation — Students who have had a physical or emotional handicap, and have been treated successfully, and are considered acceptable for vocational rehabilitation, may receive financial assistance to attend college through the State Department of Vocational Rehabilitation. Apply to: 35 Abercorn Street, Savannah, Georgia.

Student Assistantships

A limited amount of financial aid is available to students through the Economic Opportunity Act and the College Student Assistantship Program. Through these programs a number of part-time, on campus, jobs are made available to students. Interested individuals should contact the Student Personnel Office prior to the beginning of each quarter.

The Student Personnel Office also maintains a file of available part-time jobs in the community and is glad to assist students, whenever practicable, in locating outside work.

Registrar

The Registrar's Office provides factual information on students regarding their records, academic standing, and progress toward degree requirements.

Alumni Office

The prime purpose of the Alumni Office is to keep former students informed about the college, and to help them keep in touch with each other. Any person who at any time was matriculated as a regular student is eligible for membership in the Alumni Society, and upon payment of his dues will receive the quarterly newsletter, "The Geechee Gazette," and may vote and hold office in the society. The Alumni Office assists in arranging class reunions, board meetings, and other functions.

Student Activities

In addition to the academic side of college life, Armstrong State College offers a complete program of extra-curricular student activities designed to contribute to the development of the student and assist him in becoming an active and helpful member of the community. This program is administered by the college through the office of the Dean of Student Affairs.

Student Government

The Student Senate is the governing body for student activities at Armstrong State College. It is comprised of elected representatives of all campus organizations recognized by the Senate. It is the function of the Student Senate to co-ordinate, direct, and control student activities and organizations at Armstrong. It is presently undergoing a number of changes which will enable it to better serve the student body.

Clubs & Organizations

College organizations include a dramatic club, a Glee Club, five religious clubs, a Debate Forum, and other groups promoting interest in certain phases of the academic program or specific career fields.

The Masquers offer membership to all students and faculty members interested in any phase of the theatre: acting, designing, lighting, make-up, costuming, and other production skills. The Masquers possess a well equipped theater, and are under the direction of a professional dramatics director. They produce a number of plays for the community annually.

The Armstrong Glee Club is composed of students who enjoy singing and desire the satisfaction to be gained from group singing.

Besides two yearly concerts at the college, the Glee Club has produced musicals with the Armstrong Masquers and sung for many civic groups in Savannah.

Student Publications

There are two student publications at Armstrong State College, The Inkwell, a newspaper, and the 'Geechee,' the college annual. These afford the students an opportunity to express themselves through creative writing, layout and art work, and to gain experience in these and other journalistic activities.

Athletic Activities

Armstrong College participates in intercollegiate sports competition in basketball, golf and baseball. Other sports at the college, such as volleyball, bowling, tennis, golf, softball, etc., are offered on an intramural basis with competition between volunteer intramural teams or between other interested campus organizations. All are encouraged to take part in the program.

Student Center

The Student Center is housed in the Hunt Building and is open throughout the day. During school hours short orders and light lunches may be purchased at reasonable prices. The Center also provides recreational facilities and houses the Book Store.

FEES

Application Fee

The Application Fee of \$10.00 is made by all students at the time of initial application for admission to Armstrong State College. The acceptance of the Application Fee does not constitute acceptance of student. This fee is not refundable.

Matriculation Fee

The Matriculation Fee for students registering for the normal course load of fifteen hours is \$60.00. Special students (those carrying less than 12 credit hours in a quarter) will pay at the rate of \$5.00 per quarter hour in Matriculation Fee.

Out of State Tuition

Non-residents of Georgia must pay a fee of \$100.00 per quarter in addition to all regular fees. Special students (those carrying less than 12 credit hours in a quarter) who are not legal residents of the State of Georgia will pay at the rate of \$8.00 per quarter hour Out-of-State Fee in addition to all regular fees.

Student Activity Fee

There will be a Student Activity Fee of \$10.00 per quarter for students registering for a course load of ten or more quarter hours. Special students carrying less than ten credit hours in a quarter will pay at the rate of \$1.00 per quarter hour. This fee is not refundable, and is effective at the beginning of the Fall Quarter, 1965.

Late Registration Fee

In the Summer Session a late registration fee of \$4.00 will be charged to students registering on the first day of class and a fee of \$5.00 will be charged for registrations completed on the last day to register for credit.

In the Fall, Winter and Spring Quarters a late registration fee of \$3.00 will be charged to students registering on the date listed in the catalog as the date on which classes begin. A fee of \$4.00 will be charged for registrations completed on the day following the date on which classes begin. A fee of \$5.00 will be charged for registrations completed on the date listed in the catalog as the "last day to register for credit."

Change of Schedule Fee

A fee of \$2.00 is charged for the changing of a student's schedule after the registration cards have been processed. No charge is made if the change is initiated by the College. This fee is not refundable.

Graduation Fee

A Graduation Fee of \$7.50 will be collected from each candidate for graduation.

Transcript Fee

Each student is entitled to one official transcript of his college work. The charge for additional copies is \$1.00 each.

Music Fees

Students enrolled in Applied Music Courses will be required to pay a special fee. The fees are indicated in the description of courses found under "Course Descriptions" elsewhere in this bulletin.

Make-up Test Fee

For cause, a student may arrange with an instructor to make up an announced quiz or final examination. The arrangements to make up the announced test must be made within one week after the student returns to college.

A fee of \$2.00 is charged for the making up of any announced quiz and a fee of \$5.00 for a make-up final examination and laboratory examinations, except as shown below. The total charges to any one student for a final make-up examination in a given subject shall not exceed \$5.00. All fees will be paid to the Business Office.

The conditions under which fees for make-up quizzes and final examinations will not be charged are as follows: The student was absent (1) on official college business; (2) due to illness; (3) because of death in the family; or (4) in observing religious holidays.

The student's reasons for claiming exemption from paying the fee must be presented in writing to the instructor.

Short Courses

Fees are announced for each course when the course is announced. No refund can be made for withdrawal from a course.

Summary of Fees

Matriculation, per quarter	\$ 60.00
Student Activity, per quarter	10.00
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TOTAL FOR GEORGIA RESIDENTS	\$ 70.00
Out of State Tuition, per quarter	100.00
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TOTAL FOR NON-RESIDENTS	\$170.00
Matriculation, Special Students, per quarter hour	5.00
Student Activity Fee, Special Students, per quarter hour	1.00
Non-Resident Tuition, Special Students, per quarter hour (in addition to Matriculation Fee)	8.00

Privilege Fees

Application Fee	\$ 5.00
Late Registration—Maximum	5.00
Special Examinations	2.00
Final Examinations	5.00
Graduation	7.50
Transcript, first one free, each additional	1.00
Change of Schedule	2.00

Refunds

Refunds of fees will be made only upon written application for withdrawal from school. No refunds will be made to students dropping a course. Students who formally withdraw during one week following the scheduled registration date are entitled to a refund of 80% of the fees paid for that quarter. Students who formally withdraw during the period between one and two weeks after the scheduled registration date are entitled to a refund of 60% of the fees paid for that quarter. Students who formally withdraw between two and three weeks after the scheduled registration date are entitled to a refund of 40% of the fees paid for that quarter. Students who formally withdraw during the period between three and four weeks after the scheduled registration date are entitled to a refund of 20% of the fees paid for that quarter. Students who withdraw after a period of four weeks has elapsed from the scheduled registration date will be entitled to no refund of any part of the fees paid for that quarter.

Students who formally withdraw from the Summer Session are entitled to refunds as follows:

Withdrawal on 1st, 2nd or 3rd day of first week	80% refund of fees paid
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Withdrawal on 4th or 5th day of first week	60% refund of fees paid
Withdrawal on 1st, 2nd or 3rd day of second week	40% refund of fees paid
Withdrawal on 4th or 5th day of second week	20% refund of fees paid

Fees and Charges are Subject to Change at the End of any Quarter

Any student delinquent in the payment of any fee due the college will have grade reports and transcripts of records held up, and will not be allowed to re-register at the college for a new quarter until the delinquency has been removed.

Fees for each quarter are to be paid in full at the time of registration.

If a check is not paid on presentation to the bank on which it is drawn, the student's registration will be cancelled and the student may re-register only on payment of a \$5.00 service charge.

Regulations

Faculty Advisers

The Academic Dean's Office assigns a faculty adviser to every student enrolled in day or evening classes. Before registering for classes each quarter a student must consult his adviser and receive his written approval for the courses in which the student plans to enroll.

Pre-Advisement

At announced times during each quarter a student may be pre-advised for his courses for the following quarter. The dates for pre-advisement with his faculty adviser are given in the calendar of this *Bulletin*. Instructions will be published quarterly.

Advanced Placement

Armstrong State College gives advanced placement, or in some cases college credit, for college level high school courses, on the basis of the high school teacher's recommendation, the student's grade on the Advanced Placement Examination, and approval by the department chairman of Armstrong State College.

Armstrong State College/High School Accelerated Program

This program marks a new venture for this community in which college and high school join to challenge intellectually able young men and women to test their interests and their capacity to learn.

The Program

High school students who have completed the eleventh grade, who have met the criteria for admission to this program and who maintain its standards will be permitted to enroll in one course each quarter at Armstrong State College while they complete the senior year of high school. Upon graduation from high school, these students will be admitted upon application as regular students of the College and will be given full college credit for the courses taken at Armstrong.

Through this program, a student may complete over two-thirds of the freshman year of college before he begins his regular college career.

The maximum number of college courses possible is:

Summer	1 course (5 qtr. hours)
Fall	1 course (5 qtr. hours)
Winter	1 course (5 qtr. hours)
Spring	1 course (5 qtr. hours)
Summer (following high school graduation and admission to Armstrong)	3 courses (15 qtr. hours)
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	7 courses (35 qtr. hours)

The College Courses

Every student accepted in this program must take *English 101: Composition* as his first course. Thereafter he may choose any freshman course, with permission of his college adviser.

Criteria of Admission

The College will consider a student for this program *only* upon recommendation of his high school principal. In the view of the College, it is only the principal who can judge the circumstances that may make the program valuable and practicable for any student.

To be admitted to the program a student must satisfy all of these criteria:

1. recommendation by the Principal of the high school;
2. completion of the eleventh grade in an accredited high school;
3. a combined verbal and math score of 1000 on SEEB tests;
4. an average grade of B or better in academic subjects (English, mathematics, science, social studies, languages) through the ninth, tenth and eleventh grades as averaged by the College Admissions Office;
5. written permission of the parents.

Standards

A student forfeits the privilege of this program if in any quarter his grade in the college course is below C or his high school average in academic courses is below B.

Procedure for Admission

A high school principal may recommend students following the fifth six-week period of the students' eleventh year. The recommendation to the College must be made by May 15th if the student intends to begin in the summer. The principal may recommend following the full eleventh year by August 15th if the student intends to begin in the fall.

Placement Tests

To help a student select a definite objective early in his college program, the Armstrong staff administers to each entering freshman a series of interest and achievement tests. Achievement tests in English and mathematics are administered prior to admission. Placement in English and mathematics courses is determined on the basis of the student's high school record and the scores on these tests. Interest tests are administered during Freshman Week. On the basis of these objective measurements, the student's previous record, and his interest, the student with the aid of his adviser decides on a program of study which will enable him to accomplish his purpose.

Placement in "English 100"

On the basis of entrance test scores and high school record, certain students will be required to take "English 100" in their first quarter. This course must be completed with a grade of at least "C" before these students may register for any other English course. "English 100" may be repeated once, but only in the following quarter.

Physical Education Program

All day students who are carrying as many as 10 quarter hours and (or) are candidates for diplomas or certificates are required to attain credit for six physical education courses, one each quarter. A student graduating in less than six quarters may reduce the physical education requirements accordingly. Regular courses should be taken in proper sequence and two required courses should not be scheduled in any one quarter.

Students planning a one-year program may choose any three of the required physical education courses.

A student who has served a minimum of three months in the military services shall be exempt from Physical Education 111. A student who has served a minimum of six months in the military services shall be exempt from Physical Education 111 and 112. Proof of service time shall be presented to the Physical Education Department.

In order for a day student to be excused from any one physical education course, he must have his or her doctor sign a special form. A student who does not plan to graduate from Armstrong State College will be allowed to register for any quarter without physical education providing he or she signs the form provided by the Physical Education Department. No student may register without a required physical education course except with written permission from the Physical Education Department.

The physical education department requires all students to make up all excused absences. Any unexcused absence from class will result in a lower final grade.

Physical education is not required of students in the evening program, nor of students beyond the age of 25.

Course Load

The unit of work for a regular student is 16-17 quarter hours per quarter. A schedule of sixteen quarter hours presupposes that the average student will devote approximately forty-eight hours per week to his college classes and to his preparation therefor.

Except in engineering, permission to enroll for more than 17 quarter hours will be granted only to students who have a "B" average for the preceding quarter. The quarter just prior to graduation, a student may take an extra course which is necessary to meet requirements for graduation. No student will be allowed to register for more than 21 hours in any one quarter.

No student who is employed full-time will be allowed to take more than 11 quarter hours of work in the fall, winter or spring quarter unless he has better than a "B" average in the last quarter for which grades are available. No student may enroll for more than ten quarter hours of credit in the Summer Session. This regulation does not apply to transient students who are regularly enrolled in another institution.

Auditing

A student wishing to "audit" a course without receiving credit must obtain the written permission of the instructor before he registers for the course. (Policy for some courses forbids "auditing") An "auditor" cannot change to regular credit status after the first week of class. A student who registers for a course as an "auditor" receives no credit, "N. C.", on his transcript. Regular schedules of fees apply to auditors.

Admission to Class

A student will be admitted to class when the instructor is furnished an official class card indicating that the student has completed his registration and paid his fees in the Business Office.

Conduct

Compliance with the regulations of the faculty and the Regents of University System of Georgia is assumed. Gambling, hazing, and the use on the campus of intoxicating beverages are prohibited.

Attendance

At Armstrong a student's responsibility towards a course includes all that transpires in class sessions as well as the subject matter of the course. Any absence whatsoever from class work entails a loss to the student.

An absence may be excused by the instructor if the student is absent

- (1) on official college business,
- (2) due to illness (with a doctor's certification),
- (3) because of death in the immediate family,
- (4) in observing religious holidays.

A student who has been absent from class for such a valid reason should present a written statement to his instructor.

Excuses must be submitted within seven days from the date the student returns to school; otherwise the absence will not be excused.

Absences for other serious reasons, equal in number to the times the class meets in one week, *will* be allowed without written excuse before *a student is dropped from class*.

The instructor will notify the Registrar's Office when a student should be dropped. The Registrar's Office will notify the student. A student who is dropped within three weeks after the beginning of the quarter will automatically receive a grade of W. A student who is dropped after the third week of the quarter will receive either a W or a W/F depending upon his status at the time he withdraws or is dropped from class.

A student will be penalized for unexcused absences from the first day the class meets (even though registration is not yet completed), unless one of the four valid excuses applies.

Any student whose absences *for any cause* exceed one third of the number of times the class meets in the quarter will be dropped from the class. The student will be given W or W/F depending upon his academic status at the time he is dropped.

Withdrawals

A formal withdrawal, presented to the Registrar in writing, is a pre-requisite for honorable dismissal from, or re-entrance into this institution. Any student planning to withdraw should immediately make such an intention known to the Registrar in writing. This notice is required to receive any authorized refunds. A refund will be considered only from date of notice.

A student should formally withdraw from any class by securing the permission of the Student Personnel Officer and of his instructor.

This written approval should be filed in the Registrar's office. A student who withdraws within three weeks after the beginning of the quarter will automatically receive a grade of W. A student who withdraws after the 3rd week of the quarter will receive a W or W/F depending upon his status at the time the student withdraws or is dropped from class.

Reports and Grades

It is felt by the faculty that students in college should be held accountable for their scholarship. Accordingly, grade reports, warnings of deficient scholarship and all such notices are not sent to parents or guardians by the Registrar except on request. Instead the students themselves receive these reports and are expected to contact their advisers whenever their work is unsatisfactory. Report cards are issued at the end of each quarter. Reports of grades are issued in the middle of each quarter. Each student has access to an adviser; in addition, the Registrar and all instructors are available to help any student seeking assistance.

Reports are based on the following system of grading:

Numerical Span		Honor Points
A+	95 - 100	4.5
A	90 - 94	4
B+	85 - 89	3.5
B	80 - 84	3
C+	75 - 79	2.5
C	70 - 74	2
D+	65 - 69	1.5
D	60 - 64	1
F	Below 60	0
I	Incomplete	
W	Withdrew with no grade	
WF	Withdrew failing	
NC	No credit	

A student who receives an "I" (incomplete grade) should consult his instructor at once and arrange to complete the requirements of the course. An "I" grade which has not been removed by the middle of the succeeding quarter automatically becomes an "F".

Honors

Dean's List: Students enrolled for at least ten hours of course work who earn an honor point average of 3.0 or above will be placed on the Dean's List which is published quarterly.

Permanent Dean's List: At the completion of forty-five hours of course work, students with an honor point average of at least 3.0

will be placed on the Permanent Dean's List which is published yearly in June. Sophomores completing forty-five hours (to make a total of ninety) and earning an honor point average of 3.0 will be placed on the Permanent Dean's List.

Students eligible under the above categories and earning an honor point average of 3.96 or above will be placed on the Permanent Dean's List and designated *With Distinction*.

Honors at Graduation

Summa Cum Laude: Students who are graduating with an honor point average of 3.96 or above will be designated as graduating *summa cum laude*.

Cum Laude: Those students graduating with an honor point average of from 3.0 to 3.96 will be graduated *cum laude*.

Valedictorian: The valedictorian will be selected by the graduating class from the five students with the highest academic average in the work completed up to the quarter just prior to graduation.

Academic Probation and Dismissal

A student failing to maintain the following grade point averages on all work attempted at Armstrong College will be placed on academic probation for two quarters.

Quarter Hours	Grade Point Average
45	1.6
90	1.8
135	1.9
180	2.0

Academic probation requires that a student maintain a grade point average of at least 2.0 for each of two successive quarters. Failure to meet the requirements of such probation will result in the dismissal of the student for two quarters.

A full-time student (one who enrolls for 12 or more quarter hours) who fails to pass at least one course other than physical education in any quarter will be dismissed from the college for two quarters. A part-time student (one who enrolls for less than 12 quarter hours) who fails to pass at least one course other than physical education in two successive quarters will be dismissed from the college for two quarters. A grade of "E" (incomplete) will be considered an "F" until it is removed.

A student re-entering the college after academic dismissal will be placed on academic probation for two successive quarters.

The Summer Session will be considered a normal quarter for the above regulations.

A student dismissed for academic reasons may appeal his dismissal to the Committee on Academic Standing. Such appeals must be made in writing to the Committee (addressed to the Secretary), should state the nature of all extenuating circumstances relating to his academic deficiency, and must be received by the Committee by the time of its announced meeting.

A third dismissal for failure to meet the academic standards of the college shall in all cases be final.

Requirements for Graduation

The requirements for graduation from Armstrong State College are listed below:

1. The student will complete a program of study listed elsewhere in the catalog under "Programs of Study" with a grade point average of 2.0 on work taken at Armstrong. Any exceptions to a program may be referred by a student's adviser to the Academic Dean.
2. The final 45 quarter hours of the work required for graduation shall be completed at Armstrong State College.
3. By state law one of the requirements for a diploma or certificate from schools supported by the State of Georgia is a demonstration of proficiency in United States history and government and in Georgia history and government. A student at Armstrong may demonstrate such proficiency by passing
 - 1) Political Science 113 *and* History 351 *or* History 352,
 - or 2) A two hour examination in United States and Georgia history and government.
4. When exceptions to prerequisites for courses are made, permission may be granted only by the head of the department concerned. A recommendation regarding any request for exception to prerequisites for courses must be made to the department head by the course instructor. This need not be binding upon the department head.

Candidates for graduation will make application in the Registrar's Office one quarter prior to the expected date of graduation.

Recommendations

The recommendations issued by the college are based on the grades the student earns and his student records.

The files of the Registrar's office which include all permanent records are consulted regularly by representatives of the Federal Bureau of Investigation, the Civil Service, the local Credit Bureau and other agencies having access to confidential records. A good college record is of vital importance to a student.

Programs of Study

Beginning in June, 1968, the Degrees of Bachelor of Arts, Bachelor of Science, and Bachelor of Business Administration will be conferred upon students completing all requirements for those degrees.

The Degree of Associate in Arts will be conferred upon students completing all requirements of a two year program.

Before registration every student must plan a program of study with a faculty adviser appointed by the Academic Dean. Even if a student knows what courses are required in his program, he must have on record in the office of his adviser a copy of his program. Before a student may change his planned program he must consult his adviser.

If a student plans to transfer to another college before graduation, he should acquire the catalog of that college in order to determine what courses must be completed at Armstrong to meet the degree requirements of the college to which he may transfer.

A student planning to receive either the Bachelor's degree or the Associate in Arts degree is responsible for securing approval for his program from his adviser and the Registrar two quarters prior to the expected date of graduation.

Courses numbered 100 to 199 are generally planned for the freshman level; courses numbered 200 to 299 for the sophomore level; courses numbered 300 to 399 for the junior level; courses numbered 400-499 for the senior level.

Four Year Programs Leading to the Bachelor's Degree

For the Bachelor of Arts, the Bachelor of Science or the Bachelor of Business Administration degree, a minimum of 185 quarter hours, exclusive of physical education, will be required for graduation.

Bachelor of Arts Degree: Total Requirements

For graduation with the degree of Bachelor of Arts, the minimum requirements in the various fields of study will be:

I. Humanities

A. Freshman English	10
B. Literature of the Western World	20
C. Foreign Language	10-20
D. Fine Arts	5

II. *Social Studies*

A. History of Civilization	10
History of the United States	10
B. Political Science: American Government.....	5
C. Three courses from at least two of the following fields:	
Anthropology	
Economics	
Philosophy	
Political Science	
Psychology	
Sociology	15
	—
	40

III. *Natural Sciences*

A. Mathematics (algebra)	5
Logic or Mathematics.....	5
B. Laboratory Science	10
	—
	20

IV. Major Field 30-40

V. Closely related fields (300 and 400 courses)..... 25-35

VI. Electives 10-30

VII. Physical Education 6

Bachelor of Science Degree: Total Requirements

For graduation with the degree of Bachelor of Science, the minimum requirements in the various fields of study will be:

I. *Humanities*

A. Freshman English	10
B. Literature of the Western World.....	10
C. Foreign Language	10-15

 30-35

II. <i>Social Science</i>	
A. History of Civilization.....	10
History of the United States	5
B. Political Science: American Government	5
C. Two courses from two of the following fields:	
Anthropology	
Economics	
Philosophy	
Psychology	
Sociology	10
	—
	30
III. <i>Natural Sciences</i>	
A. Mathematics (algebra and trigonometry).....	10
B. Laboratory Science	20
	—
	30
IV. Major	30-40
V. Closely related fields.....	25-35
VI. Electives	5-20
VII. Physical Education	6

Bachelor of Business Administration Degree: **Total Requirements**

For graduation with the degree of Bachelor of Business Administration the minimum requirements in the various fields of study will be:

I. <i>Humanities</i>	
A. Freshman English	10
B. Literature of the Western World.....	10
	—
	20
II. <i>Social Sciences</i>	
A. History of Civilization.....	10
History of the United States	5
B. Political Science: American Government	5
	—
	20

III. *Natural Sciences*

A. Mathematics (algebra)	5
Logic or Finite Mathematics	5
B. Laboratory Science	10
	—
	20
Electives from the Humanities, the Social Sciences, or Natural Sciences	15

IV. Freshman and Sophomore Business Administration
requirements:

Business Correspondence	5
Principles of Accounting	10
Principles of Management	5
Principles of Economics	10
Economic History of the United States	5
	—
	35

V. Junior core requirements:

Business Law	5
Corporation Finance	5
Marketing	5
Statistics	5
Money and Banking	5
Government and Business	5
Labor Economics	5
	—
	35

VI. Major Concentration 30

1. *Accounting*

Intermediate Accounting
Cost Accounting
Tax Accounting
Auditing
Accounting Systems
Business Law

2. *Business Education*

3. *Economics*

Intermediate Economic Theory

Advanced Economic Theory

Investments

Business Cycles

Comparative Economic Systems

Monetary Theory

International Trade

Contemporary Economic Problems

VII. Free Electives	10
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Two Year Programs Leading to the Associate in Arts Degree

The following courses are required in all programs leading to the degree of Associate in Arts:

English 101, 102; 201, 202 (in certain terminal programs English 228 may be substituted for English 102, 201, or 202);

History 114, 115;

Natural sciences (ten quarter hours from biology, chemistry, physics, and physical science);

Physical Education 111, 112, 113, and any three courses numbered in the 200's. (For exceptions to requirements for physical education, see Regulations, p. 35.)

Knowledge of United States history and government and of Georgia history and government must be demonstrated in order to receive a degree or certificate.

Business Administration (1)

First Year		Second Year	
English 101, 102	10	English 201, 202	10
History 114, 115	10	Physical Education	3
Physical Education 111, 112, 113..	3	Business Administration 101, 102..	10
Laboratory Science	10	Economics 101, 102	10
Mathematics 101	5	Political Science 113	5
Mathematics 103	5	Business Administration 260	5
Business Administration 115	5	Elective	5
TOTAL	48	TOTAL	48

Chemistry (30)

First Year		Second Year	
Chemistry 121, 122	10	Chemistry 281, 340, 341	7
Chemistry 281	5	Mathematics 201, 202	10
Mathematics 101, 102	10	History 114, 115	10
Mathematics 104	5	English 201, 202	10
English 101, 102	10	Physics 204, 205, 206	15
Political Science 113	5	(or 207, 208, 209	18)
Physical Education 111, 112, 113..	3	Physical Education	3
TOTAL	48	TOTAL	55

Engineering (2)

This program will satisfy degree requirements for most types of engineering. The courses required for the freshman year have been planned in consultation with the Georgia Institute of Technology.

First Year

English 101, 102	10
Physical Education 111, 112, 113 ..	3
Chemistry 121, 122	10
Mathematics 101, 102, 104	15
Chemistry 281	5
Engineering 113, 114, 115	6
TOTAL	49

Second Year

English 201, 202	10
Physical Education	3
Mathematics 201, 202, 203	15
Physics 207, 208, 209	18
History 114, 115	10
Political Science 113	5
TOTAL	61

Industrial Management (5)

This program will satisfy degree requirements for the first two years of this field of engineering.

First Year

English 101, 102	10
History 114	5
Physical Education 111, 112, 113 ..	3
Chemistry 121, 122	10
Chemistry 281	5
Engineering 113, 114, 115	6
Mathematics 101, 102, 104	15
TOTAL	54

Second Year

English 201, 202	10
Physical Education	3
History 115	5
Business Administration 101, 102 ..	10
Economics 101, 102	10
Mathematics 103	5
Physics 204, 205, 206	15
TOTAL	58

Liberal Arts (6)

This program is recommended for candidates for the A.B. degree, pre-education, pre-law, pre-ministerial, journalism, social work, and other pre-professional concentrations.

First Year

English 101, 102	10
History 114, 115	10
Physical Education 111, 112, 113 ..	3
*Science	10
Mathematics 101	5
Mathematics 102	5
*Foreign Language	10
TOTAL	53

Second Year

English 201, 202	10
Physical Education	3
Science with laboratory	10
Two of the following courses—	
History 225	
Political Science 113	
Psychology 201	
Sociology 201	
Economics 101	
Philosophy 110	10
Electives	10
TOTAL	43

*A student applying for admission to a senior college which does not require the amount indicated of this subject may, with the approval of his adviser, substitute other courses required by the senior institution during the first two years.

Mathematics (7)

A program designed for those students who wish to major in mathematics.

First Year

English 101, 102	10
History 114, 115	10
Physical Education 111, 112, 113	3
Chemistry or Biology	10
Mathematics 101	5
Mathematics 102	5
Mathematics 104	5
TOTAL	48

Second Year

English 201, 202	10
Mathematics 201, 202, 203	15
Mathematics 235	5
Physical Education	3
Physics 207, 208, 209	10
Electives	5
TOTAL	48

Medical Technology (8)

This program is designed for those students who desire a Bachelor of Science degree in Medical Technology.

First Year

English 101, 102	10
Zoology 124, 226	10
Mathematics 101, 102	10
Chemistry 121, 122, 281	15
Physical Education 111, 112, 113	3
TOTAL	48

Second Year

English 201, 202	10
Zoology 356	6
History 114, 115	10
French or German 101-102	10
***Electives	10
Physical Education	3
TOTAL	49

Physical Education (9)

First Year

English 101, 102	10
History 114, 115	10
Physical Education 111, 112, 113	3
Zoology 124, 225	10
Home Economics 232—Nutrition ..	5
Mathematics 9 or 101	5
*Electives	5
TOTAL	48

Second Year

English 201, 202	10
Physical Education	3
Zoology 108, 109	10
**Physical Education 203	2
Physical Education 114	2
Psychology 201	5
Psychology 202	5
Sociology 202	5
Electives	6
TOTAL	48

*It is recommended that English 228 be taken as an elective course.

**The student is exempt from this course if he has a Red Cross "Senior Life Saving Certificate."

***It is recommended that Zoology 225 be taken as an elective course.

Physics (10)

A program designed for those students who wish to major in Physics.

First Year

English 101, 102	10
Physical Education 111, 112, 113 ..	3
Chemistry 121, 122, 281	15
Mathematics 101	5
Mathematics 102	5
Mathematics 104	5
Engineering 113, 114, 115	6
TOTAL	49

Second Year

English 201, 202	10
Physical Education	3
Mathematics 201, 202, 203	15
Physics 207, 208, 209	18
History 114, 115	10
Political Science 113	5
TOTAL	61

Pre-professional: Dentistry (11)

This program is designed for those students who wish to prepare themselves for the study of Dentistry after completing three or more years of academic studies.

First Year

English 101, 102	10
Zoology 124, 226	10
Mathematics 101, 102	10
Chemistry 121, 122, 281	15
Physical Education 111, 112, 113..	3
TOTAL	48

Second Year

English 201, 202	10
History 114, 115	10
Zoology 230	6
French or German 101, 102	10
*Electives	10
Physical Education	3
TOTAL	49

Pre-professional: Medicine (12)

This program is designed for those students who wish to prepare themselves for the study of medicine after completing three or more years of academic studies.

First Year

English 101, 102	10
Zoology 124, 226	10
Chemistry 121, 122, 281	15
Mathematics 101, 102	10
Physical Education 111, 112, 113..	3
TOTAL	48

Second Year

English 201, 202	10
Zoology 356	6
French or German 101, 102	10
History 114, 115	10
*Electives	10
Physical Education	3
TOTAL	49

*It is recommended that Zoology 225 be taken as an elective course.

Pre-professional: Optometry (14)

The requirements for admission to the schools and colleges of optometry in the United States are relatively uniform but are not identical. The practice of optometry in all states is regulated by Boards of Examiners in Optometry. The following concentration will prepare a student for transfer to any school or college of optometry in the United States and Canada.

First Year

English 101, 102	10
History 114, 115	10
Zoology 124, 226	10
Chemistry 121, 122	10
Mathematics 101	5
Physical Education 111, 112, 113..	3
TOTAL	48

Second Year

English 201, 202	10
Zoology 356	6
Mathematics 102, 104	10
Sociology 201	5
Psychology 201	5
Electives	10
Physical Education	3
TOTAL	49

Pre-professional: Pharmacy (15)

This is a two-year concentration for those students who wish to obtain their freshman requirements for entrance to a school of pharmacy. The regional schools of pharmacy require three years minimum in residence at the School of Pharmacy.

This program is designed for those students who wish to prepare themselves for the study of Pharmacy after completing two years of academic studies. All students of Pharmacy are required to complete a five-year program, two of which are in Pre-Pharmacy and three in an accredited School of Pharmacy.

First Year

English 101, 102	10
History 114, 115	10
Mathematics 101, 102	10
Chemistry 121, 122, 281	15
Physical Education 111, 112, 113..	3
TOTAL	48

Second Year

English 201, 202	10
Economics 101	5
Political Science 113	5
Physics 204	5
Zoology 124, 225, 226	15
Electives	5
Physical Education	3
TOTAL	48

Teaching (17)

The subjects required in the freshman and sophomore years by colleges preparing teachers are: English, history, mathematics, sciences, social studies and physical education.

First Year		Second Year	
English 101, 102	10	Education 201	5
History 114, 115	10	English 201, 202	10
Biological or Physical Science	10	Mathematics 9 or 101	5
Physical Education 111, 112, 113	3	Physical Education	3
Political Science 113	5	Psychology 201	5
Art 101 or Music 200	5	*Electives	20
*Electives	5		
TOTAL	48	TOTAL	48

Music (50)

First Year		Second Year	
English 101, 102	10	English 201, 202	10
Foreign Language	10	Natural Science	10
Music Theory 110, 111, 112	9	Music Theory 210, 211, 212	9
Sight Singing 101, 102, 103	3	Sight Singing 201, 202, 203	3
Applied Music 115a, b, c	6	Applied Music 215a, b, c	6
Mathematics 101	5	History 114, 115	10
Political Science 113	5	Physical Education	3
Physical Education	3		
TOTAL	51	TOTAL	51

In addition to the above all music majors are required to participate in ensemble groups.

The following preparatory programs of less than two years are also offered.

Forestry (3)

A one-year program for students in Forestry.

English 101, 102	10
Physical Education 111, 112, 113	3
Botany 121, 122	10
Economics 101	5
Engineering 101	2
Mathematics 101, 102	10
Physics 204 or Physical Science 101	5
Political Science 113	5
TOTAL	50

*Recommended electives for elementary teachers include Health, Geography, Economics, Georgia Problems (Social Science 104), English 228 and additional science courses.

Pre-professional: Nursing (13)

This is a one year program for those students who wish to obtain their freshman requirements to be transferred to a school of nursing offering the B.S. degree. The program as outlined is intended to satisfy the requirements of the Medical College of Georgia School of Nursing. Students planning to transfer credits are urged to consult the pre-nursing advisor in order to be sure that they are taking the proper courses.

English 101, 102	10
History 114, 115	10
Zoology 108, 109	10
Chemistry 121	5
Sociology 201	5
Psychology 201	5
Physical Education 111, 112, 113	3
TOTAL	48

Pre-veterinary Medicine (16)

This is a four quarter program designed for those students who wish to transfer their credits to the University of Georgia School of Veterinary Medicine, which is the regional school. A student planning to spend four quarters at Armstrong should consult Veterinary School officials about his program.

English 101, 102, 201	15
Botany 121, 122	10
Zoology 225, 226	10
Chemistry 121, 122	10
Mathematics 101, 102	10
Physical Education 111, 112, 113	3
TOTAL	58

Terminal Programs

Business Administration: Accounting (18)

First Year		Second Year	
Business Administration 101, 102	10	Business Administration 201T,	
English 101, 102	10	202T	10
History 114, 115	10	English 201, 202,	
Natural Science	10	228 (any two)	10
Physical Education 111, 112, 113	3	Economics 101, 102	10
Elective	5	Business Administration 260	5
TOTAL	48	Business Administration 115	5
		Physical Education	3
		Electives	5
		TOTAL	48

A student who desires further training in this field may enroll for additional courses chosen from the following list. A certificate will be awarded upon satisfactory completion of 45 hours of work.

Business Administration 236T, 237T—Income Tax Accounting	10
Business Administration 229T—Cost Accounting	5
Business Administration 207T, 208T	10
Electives chosen from Business Administration, Economics or Industrial Technology courses	20
TOTAL	45

Business Administration: General (20)

First Year		Second Year	
English 101, 102	10	Economics 101, 102	10
History 114, 115	10	English 201, 202 or English 201, 228	10
Business Administration 101, 102	10	Business Administration 115	5
Natural Science	10	Electives	20
Business Administration 260	5	Physical Education	3
Physical Education 111, 112, 113	3		
TOTAL	48	TOTAL	48

Commerce: Secretarial (24)

This program is designed to meet the needs of those students who wish to qualify for secretarial positions in business. If, because of prior training, a student is permitted by the instructor to omit the beginning theory courses in shorthand or typing, the student must choose elective subjects to supplement the total college hours required.

First Year		Second Year	
English 101, 102	10	Business Administration 101	5
History 114, 115	10	Business Administration 115	5
Physical Education 111, 112, 113	3	English 201, 202 or English 201, 228	10
Natural Science	10	Commerce 213	5
Commerce 101, 102, 103	6	Commerce 201, 202, 203	6
Commerce 111, 112, 113	9	Commerce 211	3
TOTAL	48	Physical Education	3
		Electives	10
		TOTAL	47

Liberal Arts (28)

A student in the Terminal Liberal Arts program may select the remainder of his electives from any courses offered by the college in order to prepare for a vocation or to pursue a special interest.

First Year		Second Year	
English 101, 102	10	English 201, 202	10
History 114, 115	10	Physical Education	3
Physical Education 111, 112, 113 ..	3	*Electives	35
Natural Science	10		
Mathematics 9 or 101	5	TOTAL	48
*Electives	10		
TOTAL	48		

The following terminal program of one year is also offered.

Commerce: Stenographic (25)

A student who has only one year to spend in college may acquire some of the clerical skills which will enable her to secure employment as a stenographer or clerk. Whether a student will be placed in beginning theory classes of shorthand or typing will depend upon how much previous training she has had in those subjects; a more advanced standing must be approved by the instructor. A certificate is awarded upon completion of the following program.

Commerce 101, 102, 103	6
Commerce 111, 112, 113	9
Commerce 213	5
Business Administration 101	5
English 101, 102	10
Physical Education 111, 112, 113	3
Business Administration 115	5
Elective	5
TOTAL	48

*A student must elect 20 hours from at least three of the following subjects: Foreign Language, Political Science, Economics, Fine Arts, Philosophy, Psychology, Sociology, Mathematics (other than Mathematics 103).

Course Descriptions

Armstrong State College reserves the right to (1) withdraw any course for which less than ten students register, (2) limit the enrollment in any course or class section, (3) fix the time of meeting of all classes and sections, and (4) offer such additional courses as demand and faculty warrant.

No credit will be given in beginning courses in languages where the same or similar courses have been presented for admission from high school.

Where two or more courses are listed under one description no credit for graduation will be given until the sequence is completed, for example: Zoology 103-104.

After each course name, there are three numbers in parentheses. The first number listed is the number of hours of lecture; the second, the number of hours of laboratory; and the third, the number of quarter hours of credit the course carries. For example: Botany 121—General Botany (3-4-5).

Art

Art 101—Creative Art (3-4-5).

Drawing, painting and design principles, with some pertinent background history. Introductory practice in techniques, and application to every day life needs.

Art 113—Ceramics (5-0-5).

A beginner's course in the fundamentals of pottery and clay modeling. Various ways of forming clay, decorating, glazing and firing suitable subjects.

Art 114—Ceramics (5-0-5).

A continuation of the beginner's course with emphasis on design, using the potter's wheel and understanding the use of glazes. Work may be developed in pottery or clay sculpture.

Art 290—Introduction to the History of Art (5-0-5).

The formal characteristics of the painting, sculpture, architecture and some of the minor arts will be analyzed in their stylistic and symbolic developments which will be discussed in relation to the changing cultural background.

Art 291—Introduction to the History of Modern Art (5-0-5).

A survey of world art during the eighteenth, nineteenth, and twentieth centuries. The formal characteristics of the painting, sculpture, architecture and some of the minor arts will be analyzed in their stylistic and symbolic developments which will be discussed in relation to the changing cultural backgrounds.

Biology

Biology 210—Microbiology (3-4-5). Prerequisites: ten hours of biological science with laboratory and five hours of inorganic chemistry.

An introduction to the study of micro-organisms with primary emphasis on bacteria. The morphology, life history, and public health importance of representative bacteria, molds, viruses, protozoa, and helminths are considered.

Botany 121—General Botany (3-4-5).

A study of the structure of the roots, stems, and leaves, basic physiology and ecology of plants. Laboratory work on representative species.

Botany 122—General Botany (3-4-5). Prerequisite: Botany 121.

A study of reproduction, heredity, and evolution of seed plants, with studies of representative species of the other major plant groups. Laboratory work includes field trips.

Botany 305—Identification of Flowering Plants (0-10-5). Prerequisite: Botany 121, or equivalent elementary course in biological science.

Studies in the identification of plants with emphasis upon wild flowers.

Zoology 103-104—Human Biology (8-6-10). Not open to students who have credit for Zoo. 124.

A basic course intended to acquaint the student with biological principles and their application to the human organism. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed.

Zoology 108-109—Human Anatomy and Physiology (6-8-10). Not open to pre-professional students in the biological sciences.

A basic course considering the gross anatomy, histology, and physiology of the organ systems. Laboratory work includes thorough dissection of a typical mammal as well as basic experiments in physiology. The second quarter is a continuation of the first; no credit is allowed toward graduation until the sequence is completed. Not open to pre-professional students in the biological sciences.

Zoology 124—General Zoology (3-4-5). Prerequisite: Chemistry 101 is strongly recommended. Not open to students having credit for Zoology 103-104.

A survey of principles in biology, with accent upon cellular phenomena.

Zoology 225—Invertebrate Zoology (3-4-5). Prerequisite Zoology 124, or Zoology 103-104, or Botany 121-122.

A survey of the invertebrate animals, their biology, structure, and relation to other animals.

Zoology 226—Vertebrate Zoology (3-4-5). Prerequisite: Zoology 124 or 103-104, or Botany 121-122.

A study of the structure, body functions, interrelations, and natural history of the vertebrate animals.

Zoology 356—Comparative Vertebrate Anatomy (3-6-6). Prerequisite: Zoology 226.

A study of the anatomy and evolution of the organ systems of the vertebrates.

Business Administration

Business Administration 101—Principles of Accounting, Introductory (5-0-5). Fall, Winter, and Spring.

An introduction to the fundamental principles and procedures of accounting, including a study of the journal, the ledger, working papers, accounting statements, controlling accounts, special journals, partnerships and corporations.

Business Administration 102—Principles of Accounting, Introductory (5-0-5). Winter and Spring. Prerequisite: Business Administration 101.

An application of accounting principles to certain problems such as departmental operations, manufacturing accounts, the analysis of financial statements, accounting aids to management, statement of application of funds.

Business Administration 115—Business Correspondence (5-0-5). Winter and Spring.

Covers various aspects of business and technical report writing. Attention is given to vocabulary building, a review of the mechanics of grammar, and techniques of business writing. Letter studies include: sales, credit collection, promotion, application, routine, per-

sonal, and formal. Information relative to effective policies in these areas is considered.

Business Administration 301—Principles of Accounting, Intermediate (5-0-5). Spring. Prerequisite: Business Administration 102.

Basic accounting theory and the solution of problems requiring an application of accounting theory.

Business Administration 302—Intermediate Accounting (5-0-5). Second Course. Prerequisite: Business Administration 301.

A continuation of B.A. 301 emphasizing the theories of valuation of fixed assets and liability accounts, the application of these theories of valuation of fixed assets and liability accounts, the application of these theories and the interpretation of financial statements prepared on the basis of these theories.

Business Administration 307—Business Law (5-0-5). Fall.

Law governing the basic principles applicable to the following subjects. Contracts: offer and acceptance, consideration, performance, rights of third parties and discharge. Agency: creation of an agency, liabilities of principal and agent. Negotiable instruments: elements of negotiability, endorsement and transfer, liabilities of parties, discharge.

Business Administration 308—Business Law (5-0-5). Spring.

The law governing the basic legal principles applicable to the following subjects which are of particular interest to those planning to major in accounting. Partnership: formation, powers, liabilities of curity holders, types of securities. Corporation: formation, powers, rights of security holders. Sales: vesting of title, warrants, remedies.

Business Administration 329—Cost Accounting (5-0-5). Spring. Prerequisite: Business Administration 101, 102.

Methods of determining and distributing costs in manufacturing including the job order and the process methods.

Business Administration 330—Cost Accounting (5-0-5). Prerequisite: Business Administration 329.

Standard cost procedures; budgeting; distribution costs and special cost problems.

Business Administration 340—Principles of Marketing (5-0-5). Prerequisite: Economics 102.

Principles and methods involved in the movement of goods and services from producers to consumers; marketing functions; marketing

manufactured goods, raw materials and agricultural products; proposals for improving the marketing structure.

Business Administration 350—Retailing (5-0-5).

Basically a course in merchandising and promotion. Retailing also covers allied services such as stock and inventory control, accounting systems, mark-ups and materials handling. A review is given on the basic elements of salesmanship and modern trends. Store design, the effects of lightning, color dynamics, traffic and aisle display are illustrated. Delineation of the various advertising media is also involved.

Business Administration 360—Principles of Management (5-0-5).

Designed to prepare students in the fundamentals of all phases of administrative staff and operative management. Successful management principles and techniques are given for all fields of business which include: business objectives, policies, functions, executive leadership, organization structure and morale, cooperative procedure and control procedure.

Business Administration 365—Principles of Insurance (5-0-5).
Prerequisite: Economics 102.

A comprehensive treatment of the insurance field: an explanation of the different types of insurance and fundamental underlying principles, the organization of the insurance business and accepted insurance practices.

Business Administration 370—Real Estate Principles (5-0-5). Prerequisite: Economics 102.

A consideration of the general principles of property utilization, the law dealing with ownership, transfer of title and liens: the appraisal process, determinants of values, the real estate cycle, management and salesmanship and regulatory legislation.

Business Administration 375—Personnel Administration (5-0-5).
Prerequisite: Business Administration 360.

A study of the principles and practices in the field of the administration of human relations and industry. Emphasis is given to scientific techniques and devices in the development of a well rounded personnel program.

Business Administration 436—Income Tax Accounting. Fall (5-0-5). Prerequisite: Business Administration 102.

A study of federal income tax laws, and the income tax returns of individuals, partnerships and corporations.

Business Administration 437—Tax Accounting (5-0-5). Prerequisite: Business Administration 436.

A continuation of Business Administration 436 with emphasis on corporations and fiduciary returns and social security taxes, gift taxes and estate taxes.

Business Administration 450—Auditing (5-0-5). Prerequisite: Business Administration 102.

A study of the principles of audits and financial verifications, standards of field work, and ethics.

Business Administration 451—Auditing Problems (5-0-5).

The application of auditing theories and principles; preparation of audit working papers; writing audit reports.

Chemistry

Chemistry 121—General Inorganic (4-3-5). Fall and Winter. Prerequisite: Mathematics 9, or consent of instructor.

A study of the fundamental principles and laws of chemistry through the modern concept of the atom, with a quantitative approach to the laws. The lab consists of one three hour period per week emphasizing fundamental techniques as applied to the beginning experiments.

Chemistry 122—General Inorganic (4-3-5). Winter and Spring. Prerequisite: Chemistry 121.

This is a continuation of Chemistry 121 with emphasis on descriptive chemistry of particular elements, families and groups, including some organic chemistry. The lab follows with a study of the properties and preparations. One three hour lab per week.

Chemistry 281—Qualitative Inorganic Analysis (3-6-5). Spring and Fall. Prerequisite: Chemistry 122.

The lecture to be devoted to the study of theoretical principles of chemical equilibrium and application to qualitative analysis. Lab is a systematic study of the separation and identification of common cations and anions by semi-micro techniques.

Chemistry 282—Quantitative Inorganic Analysis (2-9-5). Winter. Prerequisite: Chemistry 281 or approval of the instructor.

A study of the fundamental theories and applications of quantitative analysis involving volumetric and gravimetric methods.

Chemistry 341, 342, 343—General Organic (4-3-5). Winter and Spring. Prerequisite: Chemistry 281.

This sequence will provide a foundation in the fundamental principles and an introduction to the modern concepts of organic chemistry. The courses will emphasize the reactions of aliphatic and aromatic hydrocarbons as well as a study of heterocyclic compounds and naturally occurring carbohydrates. The laboratory consists of one three hour period per week.

Chemistry 105—Chemistry For Nurses (4-3-5). Fall. Principles of inorganic, organic, and physiological chemistry with special application to nursing practice.

Chinese

Chinese 101-102—Elementary Chinese (10-0-10).

A basic training in Chinese conversation and reading.

Chinese 201—Intermediate Chinese (5-0-5).

Commerce

Commerce 101—Beginning Typing (0-5-2). Fall, Winter and Spring.

This course consists of introductory instruction in the technical features and care of the machine, position, fingering, proper technique and mastery of the keyboard.

Commerce 102—Beginning Typing Continued (0-5-2). Fall, Winter and Spring.

This course is a continuation of speed development. In addition, instruction in typing letters and setting up simple tabulations is given.

Commerce 103—Intermediate Typing (0-5-2). Fall, Winter and Spring. Prerequisite: Commerce 101-102 or equivalent.

A typewriter course in which emphasis is placed on speed building and accuracy. Special typing problems such as business letters, minutes, notices, stencil cutting and carbon copies are stressed.

Commerce 111—Beginning Shorthand (5-0-3) Fall. Complete theory of Gregg Shorthand simplified. Reading dictation and transcription from studied material. A dictation speed of 80 words a minute is attained.

Commerce 112—Beginning Shorthand (Continued) (5-0-3) Winter. A continuation of beginning shorthand from foundation learned in fall quarter.

Commerce 113—Intermediate Shorthand (5-0-3). Spring.

Dictation and transcription of new and studied material. Student is required to take dictation at the rate of 100 words a minute.

Commerce 201—Advanced Typing (0-5-2). Fall, Winter and Spring. Prerequisite: Commerce 103 or equivalent.

Advanced typing is a course in the acquisition of speed and accuracy including various legal forms and papers, manuscripts and business papers. Most of the student's work is done on a production timing basis.

Commerce 202—A continuation of Commerce 201 (0-5-2). Fall, Winter and Spring.

Commerce 203—A continuation of Commerce 202 (0-5-2). Fall, Winter and Spring. An average of 60 words a minute is attained.

Commerce 211—Advanced Shorthand (5-0-3). Fall. Prerequisites: Commerce 111, 112, 113 or equivalent.

A course in which the principles of Gregg Shorthand are applied in developing skill and accuracy in writing shorthand and in transcribing. Dictating and typing of mailable letters are emphasized. A speed of 110 words a minute for five minutes is attained.

Commerce 213—Office Practice (5-0-5). Spring. Prerequisite: Commerce 112 or equivalent or permission of instructor.

Typical business office situations are duplicated as nearly as possible, including the instruction of various business machines. Practical problems deal with typing, filing and office courtesy.

Economics

Economics 101—Principles and Problems of Economics (5-0-5). Fall, Winter, Spring.

A study of the principles behind the economic institutions of the present time and an examination of some of the economic problems in the modern world.

Economics 102—Principles and Problems of Economics (5-0-5). Winter and Spring.

A continuation of the study of economic principles and problems begun in Economics 101.

Economics 126—American Economic History (5-0-5).

The growth and development of economic institutions in the United States from the colonial period to the present with major emphasis on the period since 1860. It will deal with agriculture, in-

dustry, labor, domestic and foreign commerce, transportation, money and banking, and finance.

Economics 325—Elementary Economic Statistics (5-0-5). Prerequisite: Economics 102.

An introduction to presentation and analysis of quantitative economic data. Statistical sources, table reading, chart reading, chart making; elementary statistical procedures and their economic interpretation; introduction to index and time series analysis.

Economics 327—Money and Banking (5-0-5). Prerequisite: Economics 102.

The role of money in the economic organization; monetary theory; methods of stabilizing the price level; the integration of financial institutions; theory of bank deposits and elasticity of bank currency; discount policy and the interest rate of central banks; methods of regulating credit and business activities.

Economics 329—Labor Economics (5-0-5). Prerequisite: Economics 102.

An analysis of the background and origin of our modern labor organizations and their remarkable growth in recent years.

Special emphasis is placed on the social and economic aspects of our labor problems including the study of wages, working conditions, unemployment problems, the movement toward shorter hours, workers welfare plans, labor organizations and the outlook for future developments along these lines.

Economics 330—Corporation Finance (5-0-5). Prerequisite: Economics 102.

Financial promotion and organization of business firms; problems of financial administration; failures; financial rehabilitation.

Economics 431—Investments (5-0-5). Prerequisite: Economics 327, 330.

A study of stocks and bonds, market operations, investments, mathematics, investment policies, and financial statements.

Education

Education 201—Orientation to Teaching (5-0-5). Winter.

For the beginning or prospective teacher, this subject offers a broad understanding of the American spirit in education, the place of the school in society, its growth and changing function as a social institution. The problem and discussion approach is used.

Education 206—Educational Psychology (5-0-5). See Psychology 206, page 80.

Engineering

Engineering Graphics 113—(0-6-2).

Topics of study include lettering (capital and lower case); the use of the instruments; geometric construction; orthographic projection; emphasis on descriptive geometry concepts as applied to the solution of problems involving orthographic projection of solids, auxiliary views, and points, lines and planes.

Engineering Graphics 114—(0-6-2). Prerequisite 113.

Topics of study include the solution of problems involving points, lines and planes by use of the revolution method; intersection of surfaces; warped surfaces: the development of surfaces. Practical applications are emphasized.

Engineering Graphics 115—(0-6-2). Prerequisite, 114.

Topics of study include sections and conventions; dimensioning; pictorial representation; detail sketches; shop processes; assembly drawings from detail sketches; working pictorial sketches; introduction to charts and graphs; reproduction processes, ink tracing on cloth; graphical calculus.

English

Students will be assigned to freshman English according to results of tests taken before the beginning of the term.

English 100—Freshman English (4-2-5). Fall, Winter and Spring.

This is a course in expository writing. An effort is made to gain a thorough knowledge of sentence structure. Through practice, the student tries to achieve logical, coherent, and correct expression. A handbook of composition is used, and models of good writing are studied.

Students who are placed in English 100 will also be required to spend two hours a week in the reading laboratory. Successful completion of this work will be necessary in order to receive credit for English 100.

Students who are assigned to this course must make a grade of C before taking English 101.

English 101—Freshman English (5-0-5). Fall, Winter and Spring. Prerequisite: Assignment to this course is based on entrance test results or the successful completion of English 100. English 101 must be completed with a grade of "C" in order to enter English 102.

This is a course in writing in which the aim is the achievement of a standard acceptable in any professional field. Through practice and the study of models, the student works toward clarity, unity, coherence, correctness, and worthwhile subject matter. A library paper is written during the term.

English 102—Freshman English (5-0-5). Fall, Winter and Spring. Prerequisite: English 101.

Literature studied in this course comes from the two principal early sources of our culture: early Greek literature and the Bible. The works read are the *Iliad*, the *Odyssey*, Greek drama, Genesis, the Saul-David story in Samuel and Kings, and the Prophets.

English 201—Sophomore English (5-0-5). Winter and Spring. Prerequisite: English 101, English 102.

The study of literature continues with Shakespeare, poetry, novels, and short stories through the nineteenth century.

English 202—Sophomore English (5-0-5). Winter and Spring. Prerequisite: English 101, English 102, English 201.

Modern literature, including novels, poetry, and drama, is studied.

English 227—Modern Drama (5-0-5). Fall.

Class reading and discussion of modern plays from Ibsen's "Ghosts" to Miller's "Death of a Salesman." The course is centered on appreciation of drama and improving of oral interpretation through reading selected plays aloud.

English 228—Fundamentals of Speech (5-0-5). Winter.

Basic principles and practices of speech. The course gives some attention to the physiological make-up of the speech mechanism, phonetics, gesture, articulation, pronunciation, and regional speech differences. However, it consists primarily of practicing the fundamentals of speech through a wide variety of formal, informal, extemporaneous, impromptu, and group participation speech exercises.

English 230—Principles of Theatre Art (5-0-5). Spring.

A study and discussion of the fundamentals involved in the development of dramatic art and in the staging methods which have been and are now utilized in producing drama. The course will

develop chronologically and will relate directly to historical events and to the changing form and method of writing for the stage.

English 231—The Nineteenth Century (5-0-5). Spring.

A survey of the most important verse and prose written in England and the United States during this period.

English 375—The Novel (5-0-5).

A study of selected English, European and American novels.

English 410—History of the English Language (5-0-5).

English 402—Chaucer (5-0-5).

French

French 101-102—Elementary French (10-0-10). Fall and Winter.

A course for beginners. The approach is primarily oral, and daily practice with tape recordings is required. Students who own tape machines may have tapes recorded for home practice.

No credit for graduation or transfer will be given until the sequence is completed. No credit will be given for these courses if two years of high school French have been presented for entrance credit.

French 10—Elementary French (3-0-3). Fall.

French 11—Elementary French (3-0-3). Winter.

French 12—Elementary French (4-0-4). Spring.

These are the same courses as French 101-102 above, but more time is allowed for covering the work. Students will be enrolled for these sections on advice of the instructor.

French 103—Intermediate French (5-0-5). Spring. Prerequisite:

Two quarters of college French or two years of high school French. Review grammar, oral practice, reading of selected texts.

French 104—Intermediate French, continued (5-0-5). Winter. Prerequisite: Three quarters of college French or three years of high school French.

Further reading of texts, oral and composition practice.

French 201—French Classical Drama (5-0-5). Spring. Prerequisite: French 104.

Selected plays of Corneille, Moliere and Racine.

Geography

Geography 111—World Human Geography (5-0-5).

A survey of world human geography, emphasizing population characteristics, topographic features, distribution of economic activities and geo-political problems within the major geographical regions. Consideration of adequacy of resources to support expanding world populations.

German

German 101-102—Beginning German (10-0-10). Fall and Winter.

Drill upon pronunciation and elements of grammar, conversation and the training of the ear as well as the eye. German is used as much as practicable in the classroom instruction. The course includes reading of texts and translations, conversation, dictation, and dialogues.

No credit for graduation is allowed until sequence is completed.

No credit will be given for these courses if two years of high school German have been completed.

German 201—Intermediate German (5-0-5). Spring. Prerequisite: Two quarters of college German or two years of high school German.

Grammar review and comparative grammar are studied for the purpose of enabling students to write compositions. Short stories are read; and conversation is practiced.

Health

Health 111—Personal and Community Health Problems (5-0-5).

This course considers the meaning of health and factors influencing health behavior; health problems as related to the individual; overview of world, national, state and local health problems; community health organizations; mobilizing and evaluating community health resources. The legal aspects in community health and the laws governing reportable diseases is given special attention.

History

History 100—Survey of American History (5-0-5).

This course is designed to satisfy the state law requiring that all students receiving degrees shall pass an examination on the history of the United States and of Georgia.

History 114—An Historical Introduction to Contemporary Civilization (5-0-5). Fall and Winter.

This course comprises a chronological survey of the main currents of political, social, religious and intellectual activity in Western Civilization from the time of the ancient Mediterranean civilizations to the present era. Selected topics and periods are studied in greater detail by a careful reading of works by Plato, Dante, Machiavelli, Descartes and others. Classes will meet three hours a week for lectures by the history staff and two hours a week in small groups for discussion.

History 115—A Continuation of History 114 (5-0-5). Spring and Summer.

(For History 114 and 115 classes will meet three hours a week for lectures by the history staff and two hours a week in small groups for discussion.)

History 224—History of England (5-0-5). Winter.

A study of English political and social institutions from early times to the present with special emphasis given to developments since the Tudor period.

History 225—Recent European History (5-0-5). Fall.

This course is designed to provide an opportunity for detailed study of major national and international developments in European affairs from about 1870 to the present time. Special emphasis is devoted to the First World War and new developments in Europe following that war and the complex of world events which preceded the Second World War.

History 226—Recent American History (5-0-5). Winter.

This course has as its purpose the examination of the most important events and movements, political, social and cultural, in American life from about 1865 to the present time.

History 320—The civilization of China and the Far East, Part I (5-0-5).

The history of East Asian civilizations from ancient times through the 18th century, with attention to characteristic political, economic, and social developments.

History 321—The civilization of China and the Far East, Part 2 (5-0-5).

The history of East Asian nations from the 19th century to the present, with emphasis on political, economic, social, and intellectual developments. (No prerequisite.)

History 330—The history of Russia in the twentieth century (5-0-5).

Home Economics

Home Economics 232—Nutrition (5-0-5).

The requirements of different individuals for energy, protein, minerals and vitamins; foods as a source of daily requirements, and the relation of food and the state of nutrition of an individual to physical fitness.

Home Economics 235—Nutrition Education for Teachers (5-0-5).

A study of the diet habits of Georgia school children and the relation of nutrition to health. Emphasis is placed on how teachers can enrich school and community programs and improve the health of school children through nutrition education.

Mathematics

Mathematics 9—Intermediate Algebra (5-0-5). Fall, Winter and Spring.

Some elementary properties of real numbers are studied. This includes a survey of the field properties of the set of real numbers. Properties of powers, roots, and absolute value are treated. The axioms for the order relation are given, and an introduction to solution of inequalities is given.

An introductory study of axiomatic systems and symbolic logic precedes elementary set theory, functions, and graphs of functions. Some concepts from the theory of numbers, and the theory of polynomials are also studied.

Mathematics 100 (5-0-5), Integrated Algebra and Trigonometry.

A short review of elementary operations with real numbers is given. The concepts of function, and the graph of a function are emphasized. Special emphasis is placed upon logarithmic and exponential functions and their graphs. The trigonometric functions are defined by the unit circle definition; various properties of the trigonometric functions are developed. Some aspects of complex numbers are considered before the theory of equation is studied. The theory of matrices and determinants is applied in the solution of systems of equations. After some basic concepts of sequences are given, mathematical induction is studied and applied to sequences of statements. The theory of inverse functions includes the inverse trigonometric

functions and their graphs. Methods of finding solution sets for trigonometric equations are considered.

Included in this course are the main topics from Mathematics 101 and Mathematics 102. It is recommended for students transferring to the Georgia Institute of Technology or other engineering schools.

Students who are transferring to colleges in which such an integrated course is required should be advised to consult with Mr. Stubbs concerning their qualifications for admission to Mathematics 100.

Mathematics 101—College Algebra (5-0-5). Fall, Winter and Spring. Prerequisites: Two units high school algebra or *Mathematics 9*.

A brief review of some elementary properties of real numbers is given. Some general characteristics of axiomatic systems are examined. A relatively thorough (but non-axiomatic) development of symbolic logic and set theory is given. The concept of function is defined from that of ordered pairs. Basic theory of numbers and polynomials is studied. An axiomatic development of the structure of the set of real numbers is given. This includes completeness and the Dedekind theorem. The set of complex numbers is described. A careful study of algebraic functions and their graphs precedes the theory of equations.

Matric techniques are applied to the theory of systems of equations. The theory of sequences, mathematical induction, and probability are also treated.

Mathematics 102—Trigonometry (5-0-5). Winter and Spring. Prerequisite: *Mathematics 101*.

After a review of the concepts of function and complex numbers the exponential function, and its inverse, the logarithmic function, are studied. The remaining elementary transcendental functions (the elementary trigonometric functions and their inverses) are treated. The standard properties of the elementary transcendental functions are developed; this includes identities, the definition of the trigonometric functions of angles, and some physical applications.

The theory of vectors is introduced with some applications, and the geometric interpretation of complex numbers is given; DeMoivre's theorem is proved.

Some special topics are considered which include introductory point set topology, complex functions, and infinite series.

Mathematics 103—Mathematics of Finance (5-0-5). Spring. Prerequisite: Mathematics 101.

This course gives that background necessary for dealing with problems found in banking, real estate, financing, and accounting; the operation of the compound-interest law in business; simple problems concerning bonds, sinking funds, valuation of properties and annuities. Practical problems in these fields will be emphasized. The necessary aids and short cuts and use of tables and logarithms will be studied.

Mathematics 104—Analytic Geometry and Calculus (5-0-5). Spring. Prerequisite: Mathematics 102.

First, some review topics from algebra are considered. From analytic geometry the concepts of coordinates, graphs of equations, the distance formula, and equations of lines are presented. The fundamental concept of the calculus, the concept of limit of a function, is carefully presented using the epsilon-delta definition; the limit theorems are proved. Thus, a foundation for the study of continuity and differentiability is laid. Applications of the derivative include a thorough study of the extrema of functions and inflection points.

Mathematics 201—Calculus (5-0-5). Fall. Prerequisite: Mathematics 104.

Conic sections are first studied. The development of the definite integral by using Riemann Sums is based upon some properties of the real numbers, e.g. least upper and greatest lower bounds of sets of real numbers, and the completeness property. A study of the intermediate value theorems is followed by some applications of the integral. Differentiation of transcendental functions, and elementary formal integration are also considered.

Mathematics 202—Calculus (5-0-5). Winter. Prerequisite: Mathematics 201.

Methods of advanced formal integration which include integration by parts and partial fractions are studied. Some applications are: Simpson's Rule, centroids of solids of revolution and of a plane area. Basic properties of continuous and differentiable functions are considered carefully. Methods of parametric equations and polar coordinates are studied with applications. The theory of infinite series includes differentiation and integration of power series.

Mathematics 203—Calculus (5-0-5). Spring. Prerequisite: Mathematics 202.

Solid analytic geometry precedes a study of vectors in two and three dimensions. Partial differentiation is carefully presented, and

a proof of the Fundamental Theorem of Algebra is given. Multiple integration is presented with applications. Cylindrical and spherical coordinates are also considered.

Mathematics 235—An Introduction to Finite Mathematics (5-0-5). Spring. Prerequisites: Math 102 or consent of Instructor.

An introduction to logic and set theory give some insight into modern concepts in mathematics. The probability theory which is studied involves probability measure, conditional probability, finite stochastic processes, and the law of large numbers. The study of the theory of vectors and matrices includes the development of the usual vector and matrix operations, and linear transformations; this precedes some concepts from linear programming. Applications are given to the behavioral sciences with some applications to genetics.

Mathematics 238—Finite Mathematical Structures (5-0-5). Prerequisite: Consent of the Department Chairman.

The content of this course is similar to that of Mathematics 235; however, it is more advanced, and the approach is more rigorous.

Mathematics 204—Introduction to Statistics (5-0-5). Prerequisite: Mathematics 101.

Mathematics 305—Differential Equations (5-0-5). Prerequisite: Mathematics 203.

Mathematics 400—Foundations of Analysis (5-0-5). Prerequisite: Consent of the instructor.

Mathematics 401-404—Mathematical Analysis (5-0-5). Prerequisite: Mathematics 203 or consent of the instructor.

Music

Music 110—Music Theory (3-0-3). Fall.

An introduction to the basic theoretical principles of music.

Music 111—Music Theory (3-0-3). Winter.

A continuation of Music 110 with emphasis on part-writing of triads and their inversions.

Music 112—Music Theory (3-0-3). Spring.

A continuation of Music 112 through inversions of the dominant seventh chord and secondary seventh chords.

Music 101—Sight Singing (2-0-1). Fall.

A study of sight singing techniques applied to diatonic materials.

Music 102—Sight Singing (2-0-1). Winter.

A continuation of Music 101.

Music 103—Sight Singing (2-0-1). Spring.

A continuation of Music 102.

Music 210—Music Theory (3-0-3). Fall.

A continuation of the study of basic materials with emphasis on secondary seventh chords and simple modulation.

Music 211—Music Theory (3-0-3). Winter.

A continuation of Music 210 introducing altered chords and modulation to remote keys.

Music 212—Music Theory (3-0-3). Spring.

A continuation of Music 211 emphasizing chromatic materials.

Music 201—Sight Singing (2-0-1). Fall.

A study of sight singing techniques applied to chromatic materials.

Music 202—Sight Singing (2-0-1). Winter.

A continuation of Music 201.

Music 203—Sight Singing (2-0-1). Spring.

A continuation of Music 202.

Music 200—Music Appreciation (5-0-5).

A course designed to help the student understand and enjoy fine music. Analysis of form, style and mediums of musical expression from the great periods of musical art. Lectures, discussions and recorded sessions comprise the course.

Music 115 a,b,c—Applied Music. 2 hours credit per quarter.

One one-hour private lesson per week. Special fee \$48.00.

Music 215 a,b,c—Applied Music. 2 hours credit per quarter.

A continuation of Music 115c. Special fee \$48.00.

Philosophy

Philosophy 110—Introduction to Philosophy (5-0-5).

The fundamentals of philosophy, the meaning and function of philosophy, the vocabulary and problems of philosophy, and the relation of philosophy to art, science and religion. Includes a survey of

the basic issues and major types in philosophy, and shows their sources in experience, history and representative thinkers.

Philosophy 222—Honors Seminar (5-0-5).

The Honors Seminar will study some aspects of the nature of man in the natural world. The aim of the seminar will be to integrate what has been approached as specialization in the general curriculum. Instructors from the natural sciences, the humanities and the social sciences will serve as discussion leaders.

This course is open by invitation to sophomores placed on the Permanent Dean's List at the end of their freshman year and to other sophomores who are recommended by their advisors.

Philosophy 320—Introduction to Oriental philosophy (5-0-5).

Physical Education

Physical Education 111—Conditioning Course (0-3-1). Fall.

Consists of calisthenics, stunts and tumbling, lifts and carries, road work, duel combatives, and simple games.

Physical Education 112—Team Sports (0-3-1). Winter.

Consists of basketball, soccer, speedball and volleyball.

Physical Education 113—Elementary Swimming (0-3-1). Spring.

**Physical Education 114—Officiating of Basketball (1-3-2). Winter.* Prerequisite: P. E. 112 or equivalent.

Consists of a study of rules interpretation and actual experience in coaching and officiating in class and intramural games. Elective credit, except when substitute for P. E. 112.

**Physical Education 204—First Aid (3-0-1). Winter.*

The American Red Cross standard course in first aid.

Physical Education 201—Elementary Tennis (0-3-1). Fall.

**Physical Education 203—Senior Life Saving and Instructors' Course in Swimming (2-3-2). Spring.* May be substituted for Physical Education 113.

*Elective unless substituted as written in course description.

Physical Education 205—Folk Rhythms (0-3-1). Spring.

Physical Education 206—Modern Dance for Women (0-3-1). Winter.

Physical Education 207—Tap Dance for Beginners (0-3-1). Winter.

Physical Education 208—Adult Recreative Sports (0-3-1). Spring.

Golf, ping-pong, pool, card games, chess, checkers and other quiet games.

Physical Education 232—Bowling (0-3-1). Winter.

Physical Science

Physical Science 101 (5-0-5). Fall. No prerequisite.

A study of the scientific method and its use in man's solutions of problems in his physical environment. The student learns the fundamentals of physics and acquires familiarity with the basic formulas and principles. He learns the similarity of the application of principles involving small particles to larger or planetary particles. If student has completed a course in college physics, no credit will be given for this course.

Physical Science 102 (5-0-5). Winter. No prerequisite.

In this course emphasis is placed on the study of the principles of inorganic and organic chemistry with some examples of the application of chemistry in household, industry, medicine, biology, geology, etc. Here the knowledge of the structure of the fundamental particles of matter (atoms and molecules) is used in the study of the classification of the simple components of matter (elements) and the changes which they undergo to form more complex substances (compounds). If the student has completed a course in college chemistry, no credit will be given for this course.

Physical Science 103 (5-0-5). Spring. No prerequisite.

A survey of elementary geology and astronomy. This course covers what might be termed a "Biology of the Earth", concerning itself with earth materials, weather and climate, rocks and minerals, erosion and sedimentation, vulcanism and diastrophism, the law of uniform change and earth history as interpreted from the rock record. Upon completion of this phase the course progresses to the astronomy phase and the study of the stars and galaxies. Starting with the planetary system of our own sun, the study proceeds to the other stars and stellar systems, including, of course, the nebulae. Finally,

the course covers general relativity and cosmology, entering the frontiers of Physical Science to conjecture on the "science of tomorrow."

Physics

Physics 204—General Physics—Mechanics (4-2-5). Fall.

Prerequisite: Mathematics 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of mechanics. Force and motion, work and power, energy, torque, and properties of gases are included.

Physics 205—General Physics—Electricity (4-2-5). Winter. Prerequisites: Math 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of magnetism, electric circuits, electric energy and power, electromagnetic induction, and principles of alternating current.

Physics 206—General Physics—Heat, Sound, and Light (4-2-5). Spring. Prerequisite: Math 101 and 102 or consent of the instructor.

Lectures, demonstrations, recitations and laboratory work covering the fields of heat, sound and light. Under heat will be studied temperature measurement, thermal expansion, heat quantities, heat transfer, and thermodynamics. The study of sound includes wave motion, sound waves, and acoustics. Light includes reflection, refraction, spectra, color, and optics.

Physics 207—Mechanics, Sound and Heat (5-3-6). Fall. Prerequisite: Mathematics 104 or 201. (This course may be taken concurrently.)

Physics 207, 208 and 209 together constitute a thorough course in basic physics for engineering students. This course includes classical physics, and an introduction to modern physics (to which more than one quarter of the three courses is devoted) including the quantum theory of radiation, atomic structure, relativity, X-Ray, wave versus corpuscular propagation, natural radioactivity, nuclear reactions, and artificial radioactivity, nuclear energy and cosmic rays, and the fundamental particles.

The five classroom hours each week include some lectures and films, but the solution of a large number of problems is required, including application of the elements of the calculus.

The laboratory work is designed to give practice in the art of making precise measurements, proficiency in the manipulation of apparatus and added familiarity with some of the concepts of physics.

The theory of errors is stressed enough to give students the ability to decide under what conditions the greater expense of more precise measurements is justified.

Physics 207 is an intensive course in mechanics, sound and heat. It includes the study of statics, kinetics, friction, work, power, energy, momentum, machines, elasticity, fluid mechanics, harmonic motion, wave motion and vibrating bodies, temperature-expansion, heat transfer, work and heat, and the laws of thermodynamics.

Physics 208—Electricity, Magnetism and Basic Light Through Geometric Optics. (5-3-6). Winter. Prerequisite: Mathematics 104 or 201.

Physics 208 is an intensive course in electricity, magnetism, and geometric optics. It includes the study of the ideal gas and the atomic view of matter, static electricity, current electricity, magnetism, magnetic fields, electromagnetic induction, capacitance, inductance, alternating currents, electrical instruments, electromagnetic waves, nature and propagation of light, reflection and refraction, mirrors and lenses, optical instruments.

Physics 209—Light Phenomena and Modern Physics. (5-3-6). Spring. Prerequisite: Mathematics 104 or 201, and Physics 208.

Physics 209 continues the study of the phenomena of light, including interference, diffraction, and polarization; and then proceeds into modern physics via the quantum theory of radiation, atomic structure, and the theories of relativity (see Physics 207, above). During this quarter laboratory work is on a "senior course" level and is designed to encourage independent thought and to deviate definitely from the somewhat stereotyped work of the preceding quarters.

Political Science

Political Science 112—The Governments of Foreign Powers. (5-0-5).

A study is made of the leading modern political theories, and attention is paid to the structure and powers of the major foreign governments.

Political Science 113—Government of the United States (5-0-5). Fall, Winter and Spring.

A study is made of the structure, theory, and workings of the national government in the United States and some of the major problems of the state and local government. The course shows how developmental practice has created our government as it stands today.

Political Science 114—Totalitarianism and the Free World: Crisis in Civilization (5-0-5). Spring.

This course examines dispassionately the various political ideologies which contend for men's allegiance in the twentieth century: principally fascism, nazism, and communism against the political and economic systems of the free world.

Political Science 320—International Relations: The Far East (5-0-5).

Psychology

Psychology 100—Psychology of Adjustment (5-0-5). Fall, Winter, Spring.

This course is an orientation into college and into the choice of a career. Objective aids developed in the field of psychology will be used to discover effective ways of learning in general, and of studying in the college setting. Methods of objective measurements of a person's intelligence, interests, special aptitudes and personality traits will be explored and demonstrated. These will be applied to problems of educational, vocational, and special interest training. Special emphasis is placed upon the understanding of learning processes and the motivation of behavior.

Psychology 201—Introduction to Psychology (5-0-5). Fall, Winter, Spring, and Summer.

Psychology studies individual behavior by use of various adaptations of scientific observation. This course works with the evidence and concepts pertaining to primary behavior processes which systematic observation has explored. These topics, basic to understanding human behavior, include scientific methodology in psychology, heredity and patterns of growth, processes of learning and retention, adjustment processes as affected by motivation, emotions, and adaptations to frustration and conflict, sensory-perceptual processes leading to objective observation, and the use of these interacting processes for thinking purposefully, objectively, logically and creatively. By the end of the course the student is expected to be able to see these processes interacting in a given example of behavior. Principles from research are applied to areas of individual differences, personality formation, social behavior and abnormal behavior.

Psychology 202-203—Introduction to Psychology with experiments. (10-0-10). Fall-Winter.

The subject matter of Psychology 201 will be duplicated in this course extended over a two quarter sequence. Laboratory projects,

demonstrations, and individual experiments will be scheduled in connection with topics listed in Introduction to Psychology to teach and illustrate the various scientific methods of observation used in psychology: experimental method, field studies, statistical methods, and clinical or case study methods of observation. It is recommended that students expecting to major in psychology or who have a particular interest in preparing for the helping professions select this two quarter sequence.

Psychology 206—Educational Psychology (5-0-5). Summer.

Special emphasis is placed upon developing competencies on the part of the prospective elementary and high school teachers in understanding and applying the psychological principles involved in the learning and development of children and youth. Supervised visits will be made to schools for observation and study, when possible.

Psychology 303—Social Psychology (5-0-5). Spring. Prerequisite: Psychology 201.

This course centers on a study of the individual's interaction with his social groups (family, friendship groups, clubs, church groups, community groups). Forces of need, emotion and interests that bind the individual to his groups and the dynamic forces of group interaction are analyzed. The live laboratory of the class itself is used for experiencing the processes of communication and interaction in a group setting. Special topics of attitude formation, leadership, group conflicts, social stratification, mass communication, propaganda, public opinion formation and methods of changing group patterns are studied by consulting the reports of responsible studies and by group projects.

Psychology 304—Psychology of the Abnormal (5-0-5). Winter. Prerequisite: Psychology 201.

This course includes a study of the various forms of emotional illness and maladjustment, including mental deficiency and anti-social behavior. These processes will be related to basic principles of human behavior that are included in Introductory Psychology. Trips to city and state facilities will be arranged for the observation of diagnostic and treatment procedures. The course is planned especially for students going into the helping professions.

Psychology 305—Child and Adolescent Psychology (5-0-5). Spring. Prerequisite: Psychology 201.

This course presents tested information on how growth, development and learning affect the behavior of human beings from conception through childhood and adolescence. Systematic study of responsible research in this field, from life-study, clinical and experimental research methods, is the basis for class seminar and lecture. To supple-

ment study of the literature projects are planned for direct observation of child behavior in a nursery school, in various elementary school classes and in informal settings. When possible, special areas receive special study, such as testing programs, problems of exceptional children, child therapy or typical problems in child-parent relations and child placement.

Russian

Russian 101-102—Elementary Russian (10-0-10).

This course consists of grammar, composition, conversation, reading and dictation. No credit will be allowed toward graduation until the sequence is completed.

Social Science

Social Science 104—Contemporary Georgia (5-0-5).

A study of current economic and social statistics as pertaining to agriculture, industry and commerce, population trends and governmental organizations and problems.

Sociology

Sociology 201—Introductory Sociology (5-0-5). Fall, Winter, Spring and Summer.

Sociology is the scientific study of human behavior at the group level. This course presents material which has been gathered by systematic and objective studies of human society. Material is introduced from the fields of cultural anthropology and social psychology. In this way an understanding is gained not only of the function of culture as a factor in the socialization of the individual but also of the role of the individual as a member of his own society. Attention is then turned to some of the major institutions of this society, and finally to a theoretical consideration of the operation of social processes.

Sociology 202—Preparation for Marriage and Family Living (5-0-5). Spring.

This course is designed as a functional approach to the problems associated with mate selection and marital adjustment in our society. As a background to the study of marriage and family living, the family as an institution is studied using a cross-cultural analysis of different societies. Each stage of preparation for marital adjustment is discussed including: dating, courtship, engagement, sex, financial adjustment, religion, recreation, friends, and children. A prominent medical specialist serves as a guest lecturer in the discussion of physi-

cal adjustment in marriage and parenthood. Other guest lecturers include representatives from the different religious faiths to discuss the problems associated with interfaith marriages. In this course the student is provided with information which will encourage a mature and objective approach to the problems and responsibilities inherent in marriage and parenthood in our society today.

Sociology 303—Community and Social Problems (5-0-5). Fall.
Prerequisite: Sociology 201.

The purpose of this course is to study the facts, problems, and programs of community life, using Savannah and Chatham County as resources to supplement information from responsible scientific studies available in the professional literature. In addition to exploring the nature and origins of social problems in general, attention will be directed to such special areas as community physical and mental health, problems of poverty, unemployment, education, government, juvenile and adult crime, care for dependent children, housing, recreation, resources for the aged, problems of community planning, and group conflicts. This course will include seminar discussion, individual study of some problems of special interest, guest speakers and selected field trips. This additional knowledge, understanding and experience with systematic study of community life is aimed to contribute to the student's constructive involvement, as a citizen, in the life of his community.

Spanish

Spanish 101-102—Elementary (10-0-10). Fall and Winter.

These courses are for the purpose of providing the student with the elements of Spanish reading, composition and conversation. No credit for graduation will be given until sequence is completed. No credit will be given for these courses if two years of high school Spanish have been completed.

Spanish 201—Intermediate (5-0-5). Spring.

Prerequisite: Two quarters of college Spanish or two years of high school Spanish.

This course gives the student an opportunity to review the elements of Spanish grammar, conversation and readings.

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